The
CHEMIST AND DRUGGIST
RETAILER — WHOLESALER — MANUFACTURER
DECEMBER 3, 1949

RIGHT'S

BULK DRUGS · DISINFECTANTS

PACKED PHARMACEUTICALS

TOILET PREPARATIONS

reputation that
und and endur-
is more valuable
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tacular and it
ot be built up
day."

*s WRIGHT'S guiding
le and for 80 years a
of supplying only the
harmaceutical prepara-
t reasonable prices has
nsistently maintained.*

FOR THE WINTER SEASON

COD-LIVER OIL —plain or emulsified
COMPOUND SYRUP OF GLYCEROPHOSPHATES
COMPOUND SYRUP OF HYPOPHOSPHITES
EASTON'S SYRUP
EXTRACT OF MALT WITH COD-LIVER OIL
HALIBUT-LIVER OIL —in bottles or capsules
NERVE TONIC ELIXIR

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ne is a
arantee

ONE OF WRIGHT'S PRODUCTS

WRIGHT LAYMAN & UMNEY LTD
SOUTHWARK STREET, LONDON, S.E.1 HOP 4021 (10 lines)

Index to Advertisers pp. 5 & 6

an antibiotic and nasal decongesta

Gluco-Thricil

'Gluco-Thricil' is a stable preparation containing the antibiotic tyrothricin, with ephedrine, in an isotonic dextrose solution.

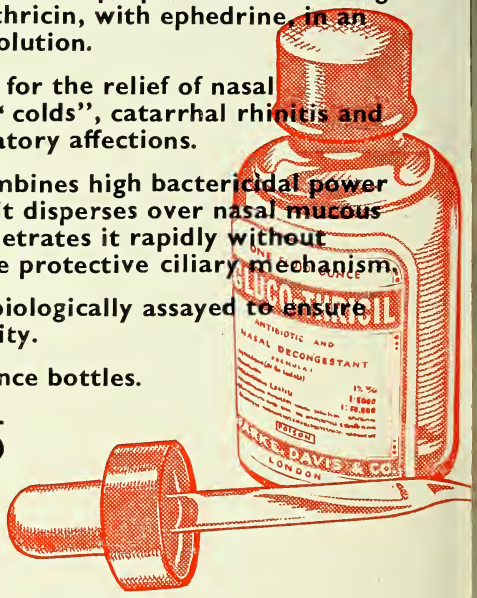
It is recommended for the relief of nasal congestion due to "colds", catarrhal rhinitis and other upper respiratory affections.

'Gluco-Thricil' combines high bactericidal power with low toxicity. It disperses over nasal mucous membrane and penetrates it rapidly without interfering with the protective ciliary mechanism.

'Gluco-Thricil' is biologically assayed to ensure full antibiotic activity.

In 1 and 16 fluid ounce bottles.

M.R.P.: 4/- and 30/-
(exempt from P.T.)



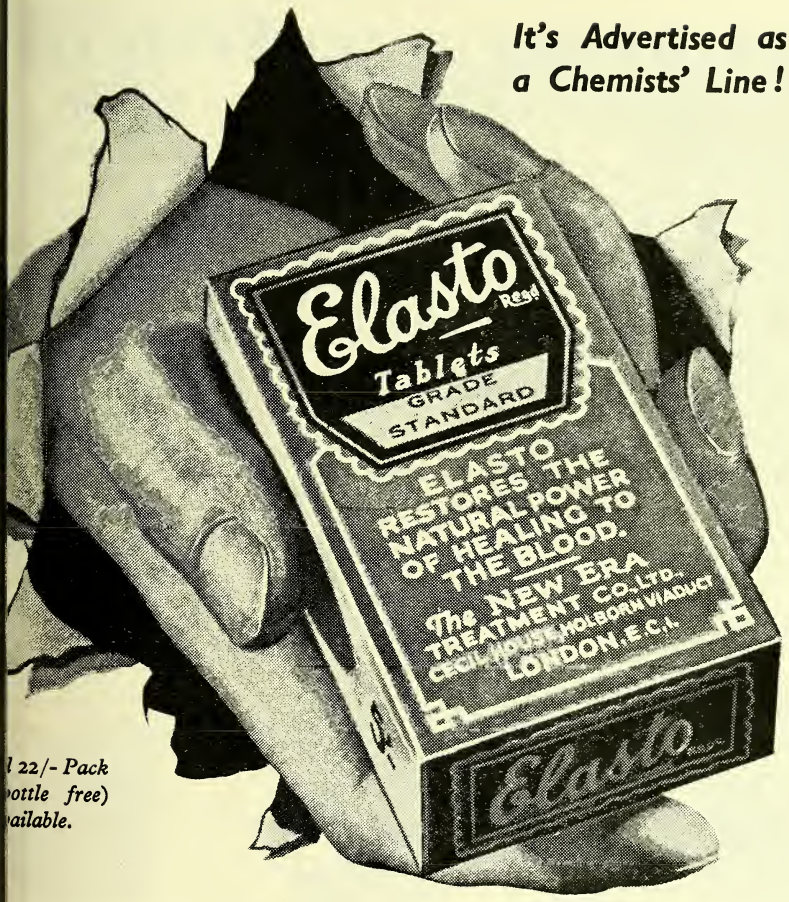
P.A.T.A.

PARKE, DAVIS & COMPANY

HOUNSLOW, MIDDLESEX

Telephone: Hounslow 2361 (11 lines). *Inc. U.S.A., Liability Ltd.*

It's Advertised as a Chemists' Line!



e l 22/- Pack
n ottle free)
u ailable.

ELASTO advertising is widespread and consistent. An ever increasing demand for this product is being created at your very door. Are you taking full advantage of this opportunity for new business created in your area by this vigorous campaign? 'Elasto' sales-aids displayed in your window or on your counter will convert the 'prospect' we have created into a customer for you. And remember repeats and recommendations come freely from initial sales of 'Elasto'.

H EW ERA TREATMENT CO. LTD., CECIL HOUSE, HOLBORN VIADUCT, LONDON

NEW DISPLAY MATERIAL AND BOOKLETS NOW AVAILABLE

ROBINSONS OF CHESTERFIE

For over a century

Stock Round Boxes for the Chemist

have been manufactured by

ROBINSONS OF CHESTERFIELD

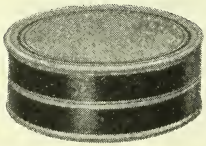
All boxes in these categories are now back to pre-war standards
The quality being improved by modern methods of manufacture
Specifications & standards to comply with N.H.S & B.S.I Specifications

PILL BOXES

SCARLET (G.P.O.)

WHITE (P.I.)

PURPLE, WHITE EDGES (P.I.)



PURPLE FLANGED

Supplies are unrationed and your order can be met through your usual source

"LITTLE JOHN" DRUMS

CRYSTALS : POWDERS
TABLETS

OINTMENT BO

SEALITE
WAX IMPREGNATED

CHEPETTE
GREASEPROOF

Telegrams: "Boxes Chesterfield"

ROBINSON & SONS, LTD.
WHEAT BRIDGE MILLS, CHESTERFIELD

Telephone: 2105 (6 lines)

London Office: King's Bourne House, 229-231 High Holborn, W.C.1. *Telephone:* HOLbo

SIGNIFICANT DATES AND ACHIEVEMENTS

1928

Hepatex Oral

irst British-made liquid oral liver extract.

1931

rst intravenous liver extract world was introduced under e name Hepatex P.A.F.

1936

Neo-Hepatex

proved parenteral liver ex- for both intravenous and ntramuscular injection.

1943

Hepamino

rst proteolysed whole liver preparation.

1945

teolysed Liver Extracts

otentiation of *liver extracts* for d parenteral use by proteo- as developed in Evans labor- and the new Hepatex Oral eo-Hepatex were introduced.

TODAY

vans Proteolysed iver preparations

HEPAMINO
IEPATEX ORAL
NEO-HEPATEX

ing used throughout the world.

EVANS MEDICAL SUPPLIES LIMITED

LIVERPOOL AND LONDON

Now is the time . . .

Pharmacists should take advantage NOW of the Special ESOBACTULIN Bonus Offer of 13 to the dozen. This is the time when customers need ESOBACTULIN — the complete course of 6 capsules over five days is designed to give most people 3 months' immunity from colds.

Retail 8/3 inc. P.Tax

Supplied through your Wholesaler

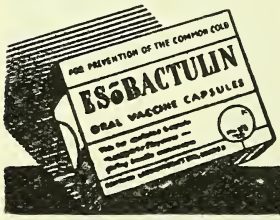
33⅓% DISCOUNT

COUNTER AND WINDOW DISPLAYS NOW WILL BRING RESULTS

Display stand and pocket calendar counter distribution on reque

Literature on request

SOUTHON LABORATORIES LIM
UPPER RICHMOND ROAD, LONDON, S



ESOBACTULIN

protection against colds

The ARTHOL

TRADE MARK

MANUFACTURING Co., LTD

PERFUMES

CONCENTRATED ESSENCES
AROMATIC CHEMICALS
SYNTHETIC ESSENTIAL OILS
TERPENELESS ,,
for all purposes

SEALAND ROAD **CHESTER**

GRAMS: "SYNTHETICS," CHESTER A.B.C. CODES, 5th & 6th EDITIONS PHONE: CHESTER

INDEX TO ADVERTISERS

Ltd. 23
..... xi
Manufacturing Co., Ltd., The 4
Ltd. xxiii
Tin Printers, Ltd. xx

R., & Son, Ltd. viii
st Telegraph" 30
hn, Hills & Lucas, Ltd. .....Leader Page
s, Ltd. 31
loids, Ltd. iv
Cod Liver Oils (Hull & Grimsby), Ltd. 8
Drug Houses, Ltd., The 6
Dyewood Co., Ltd. 26
Schering, Ltd. 22
l, Wm., Chas. vii
ne, Burbidges & Co., Ltd. i
h, James, Ltd. .....Leader Page
hs Welcome & Co. 33
Winter & Co., Ltd. ix
W. J., & Co., Ltd. v

Box & Printing Co., Ltd. 26
de Beauty Preparations, Ltd. 30
on Scissors x
& Drugstore News xi
herson, Clifford & Co., Ltd. vi
Abraham, Ltd. 30
ntal Laboratories, Ltd. 10
Perfumery Co., Ltd. 14
rthur H., & Co., Ltd. .....Cover iv
l, C. R., & Sons iv
, Sons & Co., Ltd. .....Cover iii

Richard, & Son, Ltd. 13
n (1923), Ltd. xxviii

Diadermine (1949), Ltd. xxii
Disprin ix
Duncan, Flockhart & Co., Ltd. vii
Dunn Brothers Succrs., Ltd. ii

Edme, Ltd. xxvi
English Grains Co., Ltd. 28
Eucryl, Ltd. xxxi
Evans, Adlard & Co., Ltd. viii
Evans Medical Supplies, Ltd. 3

Fassett & Johnson, Ltd. 20, 21
Foyles Libraries, Ltd. xx
Frankenberg, L., Ltd. xxiv
Franks, A., & Bartlett Co., Ltd. xv
Freudentheil, Smith & Co. .....Leader Page
Fromm, H., Ltd. viii

Gale & Mount, Ltd. iv
Gardiner & Co. (The Scotch House), Ltd. x
Gardner, W., & Sons, (Glos.), Ltd. vi
George, Ernest J., & Co. .....Col. Supp.
Glaxo Laboratories, Ltd. 26
Gould, N. & M., Ltd. xxx

Harley, T., Ltd. 26
Harwoods Laboratories, Ltd. xxxiv
Herts Pharmaceuticals, Ltd. 24

Imperial Chemical Industries, Ltd. 29
Institute of Optical Science (The) .....Leader Page
International Chemical Co., Ltd. xxvii

Jaffajuce, Ltd. xxxii

(continued overleaf)

. *In the care and hygiene of the scalp*

agmatar'—the improved tar-sulphur-alicylic-acid ointment—is now being rly prescribed in the general care and e of the seborrhoeic scalp. It can be washed out of the hair or allowed ain as a pleasant dressing. Dandruff often intensifies and prolongs the course of acne, and consequently 'Pragmatar' is a valuable aid in the management of this common disorder. The wide margin of safety of 'Pragmatar' makes it especially suitable for children, as well as for adults.

ed in 1-oz. collapsible Trade price 27/- per Purchase Tax 9/- per Retail price 3/9 each,

'PRAGMATAR'

Cetyl-alcohol-coal-tar distillate 4%; sulphur 3%; salicylic acid 3% in a washable base.

EY & JAMES, LIMITED, 123 COLDHARBOUR LANE, LONDON, S.E.5

mith Kline & French International Co., owner of the trade mark 'Pragmatar'

INDEX (Cont'd.)

Jarrett, Rainsford & Laughton, Ltd. 32
Jeffreys, Miller & Co., Ltd. 26
Johns, Son & Watts. Ltd. xi

Kearsley, C. & G., Ltd. xxii
Kellys, J., (London), Ltd. vi
Knox, John (Stoke-on-Trent), Ltd. xxii
Koray, Ltd. xxi
Krauth Chemicals ii

Lastonet Products, Ltd. ix
Long & Hambly, Ltd. xxxiii
Loveluck Edwards & Co. xxx

Macleans, Ltd. 27
Maclennan Brand Products, Ltd. xxii
Matthews, S., & Co., Ltd. xxiv
May & Baker, Ltd. 19
Menley & James, Ltd. 5
Monsanto Chemicals, Ltd. 18
Moore Medicinal Products, Ltd. 15

New Era Treatment Co., Ltd. 1
North British Rubber Co., Ltd. xvi

Oakfield & Co. 24
Organon Laboratories, Ltd. 34
Orridge & Co., ...Col. Supp.
Oxo, Ltd. xxv

Pal Chemicals, Ltd. xxxii
Parke, Davis & Co. .....Cover ii
Parkinsons, Ltd. 10
Pascall Engineering Co., Ltd. ii
Pepsodent. Ltd. xii
Pharmax, Ltd. xxiv
Potter & Clarke, Ltd. 17

Rankin Bros., & Sons .....Lea
Ransom, Wm., & Son, Ltd. .....
Raywarp Textiles, Ltd. .....
Rendell, W. J., Ltd. .....
Rentan, Ltd. .....
Reuter, R. J., Co., Ltd. .....
Revai, A., & Co., Ltd. .....
Rivet, S. & D., Co., Ltd. .....
Robinson & Sons. Ltd. .....
Roche Products, Ltd. .....

Selka, Ltd. .....
Sessions, Wm., Ltd. .....Lea
Sidnick, M., & Co., Ltd. .....
Silvikrin Laboratories, Ltd. .....
Smith, T. & H., Ltd. .....
Smith's English Clocks, Co., Ltd. .....
Southalls, Ltd. .....
Southon Laboratories, Ltd. .....
Spa Brushes Ltd. .....
Standard Yeast Co., Ltd. .....
Stemco, Ltd. .....
Sturge, John & E., Ltd. .....
Sumner, R., & Co., Ltd. .....

United Chemists Association, Ltd. .....
United Glass Bottle Manufacturers, Ltd.

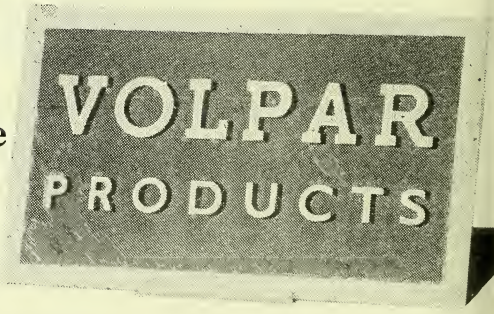
Vitamins, Ltd. .....

Waide, Thos., & Sons, Ltd. .....
Wallis Laboratory, Ltd., The .....Le
Ward, Blenkinsop & Co., Ltd. .....
Watford Chemical Co., Ltd. .....
Westminster Laboratories, Ltd. .....
Whiffen & Sons, Ltd. .....
Wilcox, Jozeau & Co., Ltd. .....Le
Wright, Layman & Umney, Ltd. .....Fr

Zems, Ltd. .....

This small plaque

is available for display
as a service to those
of your customers
for whom 'Volpar' has
been prescribed or recommended.



'VOLPAR' GELS 'VOLPAR' PASTE

'VOLPAR' OUTFIT *Containing 'Volpar' Paste and 'Volpar' Applicato*

THE BRITISH DRUG HOUSES LTD. LONDON N.1

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UNITED

FOR THE PRESERVATION

OF INDIVIDUALITY

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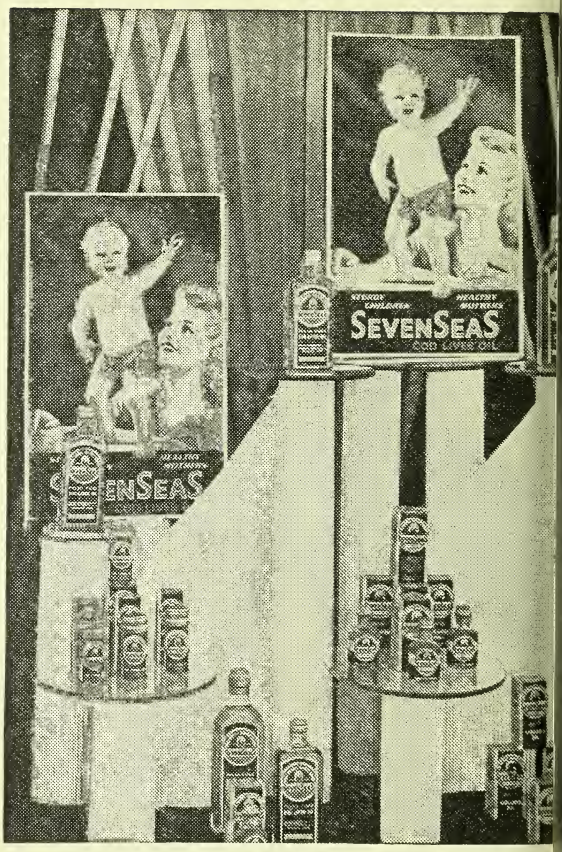
UNITED CHEMISTS ASSOCIATION LIMITED. UCAL WORKS, CHELTENHAM.



What you can do!

Free distribution of welfare foods is driving home to *your* customers, and to the rising generation, the food value of Cod Liver Oil, and the old prejudice is dying rapidly. Thus a new and ever-widening market is building up. Therefore, SevenSeaS advertising, in press, poster and cinema is being increased to help you. The opportunity is there — to-day ! A really striking display at " the point of sale " will turn interest into cash. Write to-day for special window display material.

SEVENSEAS

PURE COD LIVER OIL

British Cod Liver Oils (Hull & Grimsby) Ltd., St. Andrew's Dock

upply the demand

The following «WB» Medical Products are being prescribed in rapidly increasing numbers:

1. TABS. ADAPRIN (WB) — each containing 10 mgm. acetomenaphthone and 50mgm. nicotinamide.

   Supplied in containers of 25 (in units of one dozen only) 100 and 500 tablets.

2. TABS. DEXTRO-AMPHETAMINE SULPHATE (WB) 5mgm.

   Supplied in containers of 100, 500 and 1,000 tablets.

3. TABS. P.A.S. (WB)—Each sugar-coated tablet contains 0.3 gm. P.A.S. in the form of its sodium salt.

   Supplied in containers of 100, 250 and 1,000 tablets.

WARD, BLENKINSOP & CO. LTD.,
6 HENRIETTA PLACE, LONDON, W.1

TELEPHONE: LANGHAM 3185
TELEGRAMS: DUOCHEM, WESDO, LONDON.

Introducing

the new 100 tablet packing of TAXOL

As the existing 500 tablet pack of TAXOL is now a "tax free" dispensing pack and is thus not available to the general public we have decided to introduce a 100 tablet size for those customers who desire a pack larger than the normal standard size of 50 tablets.

P.A.T.A. Trade Prices

50 tablets - - -	25/- per dozen + 8/1 P.T.
100 tablets - - -	46/- per dozen + 14/10 P.T.
500 tablets (Dispensing Size) -	200/- per dozen (tax free)

CONTINENTAL LABORATORIES LTD.

101 GREAT RUSSELL STREET, LONDON, W.C.1

Telephone: Museum 2042-3 **Telegrams: Taxolabs, Phone, London**

These sell quickly

PARKINSONS' PILLS, KILK

VITAGRAINS and the w range of other prep ations sell quickly a bring repeat sales throu their quality.

NATIONALLY ADVERTIS

P.A.

PARKINSONS OF BURNLEY

R. SUMNER & CO., LTD.

MANUFACTURING CHEMISTS

for

DRUGS

GALENICALS

PROPRIETARIES

Makers of **Vitasac** Regd

THE PERFECT BABY FOOD

Vitasac is a balanced preparation of the essential vitamins and food elements (including calcium, fruit sugars, etc.) which facilitates digestion and ensures sufficient nourishment when added to scalded cow's milk.

Prices and trade terms on application.

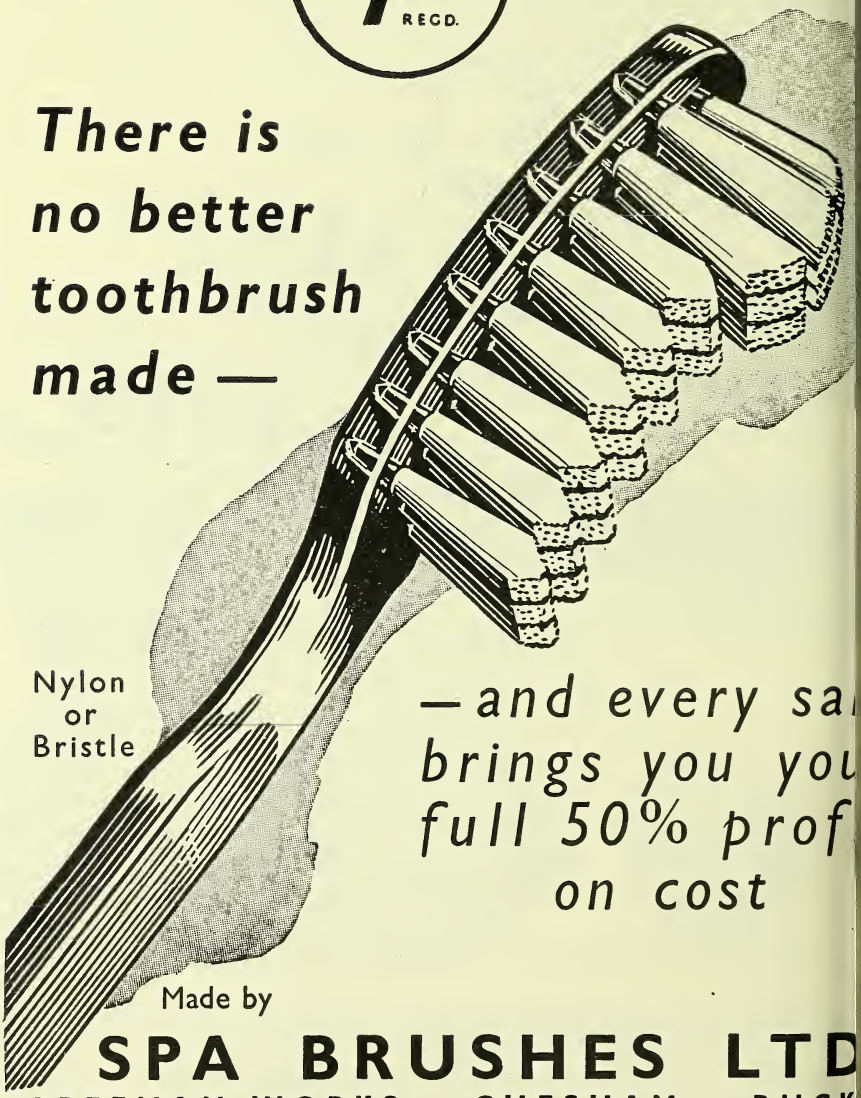
R. SUMNER & CO. LTD. 40 HANOVER ST., LIVERPOOL 1

Telephone : ROYAL 6644

CARDIFF BRANCH: 1 FITZALAN ROAD Telephone : 3147

Spa
REGD.

There is
no better
toothbrush
made —



— and every sa
brings you you
full 50% prof
on cost

Made by
SPA BRUSHES LTD
FREEMAN WORKS · CHESHAM · BUCK

Richard Daniel & Son Ltd

PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

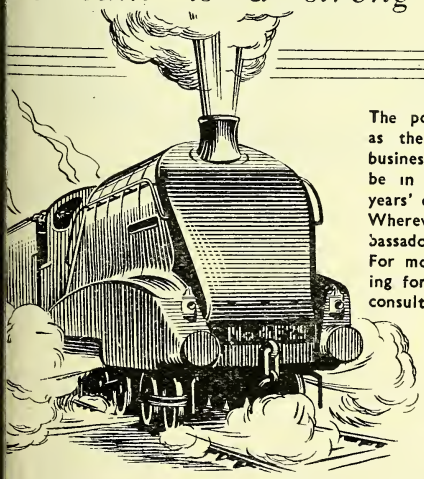
FOR CHEMISTS

Manufacturing Chemists

Office & Works Mansfield Road Derby Telephone 4266 (4 lines) Branch Warehouse Grosvenor St. Ashton-under-Lyne Telephone 2816 (2 lines)

Steam is a strong shouldered fellow

EMERSON



The power of steam is as vital to our daily travel as the power of good printing is to the modern business. What is more, sound design, whether it be in locomotives or print is the product of many years' experience.

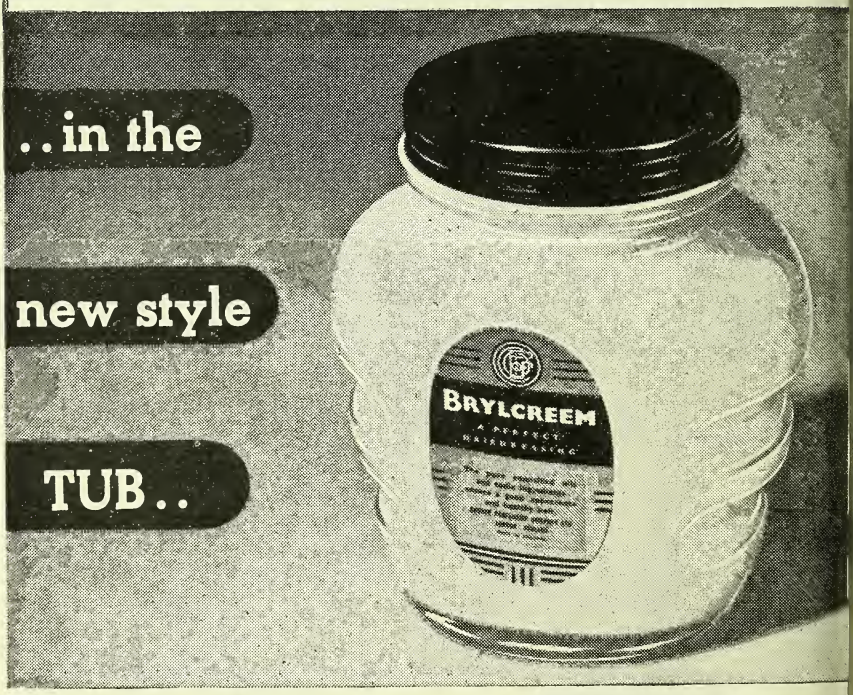
Wherever it is seen your printed word is your ambassador so be sure it is of the highest standard.

For more than 70 years we have specialised in printing for the pharmaceutical profession, and if you will consult us when you are next planning labels, cartons, showcards, brochures, catalogues, etc., etc., we shall be delighted to place our experience at your disposal.

THOMAS WAIDE & SONS LTD.
KIRKSTALL HILL, LEEDS, 5

Print Specialists for over seventy years

Huge success of BRYLCREEM



worthy companion to the famous tall jar.

Yes, the demand has been instant and enormous. Brylcreem in the New Style Tub is a worthy companion to the famous tall jar and it's the same price, same quantity.

Have you ordered *your* supply yet? Stock and display the new tub and make sure of your share of the new, increased sales of the fast-selling hair dressing. Week by week the biggest-ever advertising is backing you up, influencing millions of men to keep right on top with Brylcreem. Orders are executed in rotation, so order *now*.

SAME

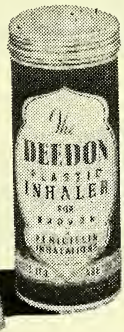
QUANTITY

PRICE

PROFIT

County Perfumery Co., Ltd. Honeypot Lane, Stanmore, Middx.

royds



New PACKS INCREASING *Sales!*

Rapidly increasing demands have resulted from new M.M.P. Inhaler packs. These smart printed aluminium containers make attractive displays and also give users convenient and safe storage for their atomisers in the home. All M.M.P. Inhalers are designed for maximum efficiency in atomisation therapy.

DEEDON ALL-PLASTIC INHALER (Patent No. 569541)

The DEEDON All-Plastic Inhaler is admirably suited for the atomisation of all inhalants including solutions of penicillin and Brovon Asthma Inhalant - - - - 21/-
DEEDON Face Mask - - - 5/-

BON-ACCORD (PLASTIC) INHALER

A model issued to meet the demand for a medium-priced plastic inhaler. The syphon only is of glass, the remainder being plastic - 15/-
BON-ACCORD Face Mask - 5/-

BON-ACCORD (GLASS) INHALER

A strong amber-glass inhaler with curved neck and fitted with a 2-oz. rubber bulb - 11/-

BROVON MIDGET GLASS INHALERS

Of robust construction, it produces a fine cloud of vapour and is easily carried in the handbag or pocket. Complete with nose and throat tube.
Clear glass - - - - 9/-
Amber glass - - 10/-

Spare parts available

D-OPERATED ATOMISERS

e prescribed and supplied under e National Health Scheme.

vholesalers carry stocks. ed list and particulars of Special Bonus from:

MOORE MEDICINAL PRODUCTS LTD
BERDEEN LONDON OFFICE: 64 GLOUCESTER PLACE, W.1. **LONDON**
WELBECK 5718/9

Kemt Christmas Campaign Gathering Speed

The big pre-Christmas Sales Campaign for Kemt Magic Mist is wel under way. Millions of advertisements have already appeared in th leading National Daily, Sunday and Weekly papers. Millions mor will appear during the busy shopping weeks before Christmas. Don' be left behind. Get your order in NOW on this profitable line an link up with Kemt advertising by displaying the attractive crowne shown below.

75 MILLION
Adverts now appearing
and we supply this compelling display unit to clinch the Sales at your counter

Kemt Magic Mi

316/L/U

SILVIKRIN LABORATORIES LIMITED *Sole Selling Agents* : Pric & Constance (Manufacturing) Limited, North Circular Road, N.V *Telephone* : ELGar 8095.

11

Property of the
NATIONAL TRUST

COUGHTON COURT, WARWICKSHIRE.
In 1409 Coughton came to the Throckmorton family by inheritance. The central gate-house of stone was built in 1509 ...

Potter & Clarke Ltd.
DRUG MERCHANTS & MANUFACTURING CHEMISTS
London & Manchester

7 more MONSANTO PHARMACEUTICALS of high quality

SODIUM BENZOATE B.P.

Physical Form: White Powder.
Main Use: General pharmaceutical: preservative: manufacture of tooth paste and cosmetics.

ASPIRIN (Acetylsalicylic Acid B.P.)

Physical Form: Granular (Aspirgran); crystals; powder.
Main Use: Manufacture of aspirin tablets and powders; for general pharmaceutical and veterinary purposes.

LYSOL B.P.

Physical Form: Saponified solution of cresol.
Main Use: Antiseptic and disinfectant for surgical purposes.

CRESANTOL 15

Physical Form: Clear brown liquid. R.W. coefficient equivalent to 65.
Main Use: Manufacture of antiseptic and disinfectant fluids.

CRESANTOL 15-R

Physical Form: As 15 but milder. R.W. coefficient equivalent to 65.
Main Use: Manufacture of antiseptic and disinfectant fluids.

P.C.M.C.

Physical Form: Small crystals.
Main Use: Preserving various industrial products and pharmaceutical preparations against spoilage by micro-organisms: supplementary germicide for antiseptic fluids. P.C.M.X. is at present very restricted.

PHENOLPHTHALEIN B.P.

Physical Form: White odourless powder.
Main Use: General pharmaceutical.

Write to Sales Department for Bulletin: "Chemicals for the Pharmaceutical Industry"

Monsanto Pharmaceuticals Include:

ASPIRIN
ASPIRGRAN
ACETYL SALICYLIC ACID B.P.
SODIUM SALICYLATE B.P.
SALICYLIC ACID B.P.
METHYL SALICYLATE B.P.
PHENACETIN B.P.
SODIUM BENZOATE B.P.
BENZOIC ACID B.P.
SALICYLIC ACID (Technical)
PHENOL B.P.
CRESOL B.P.
CRESANTOL 3
CRESANTOL 15
CRESANTOL 15-R
P.C.M.C.
P.C.M.X.
PHENOLPHTHALEIN B.P.
LYSOL B.P.
VANILLIN B.P.

MONSANTO CHEMICALS LIMITED

VICTORIA STATION HOUSE, LONDON, S.W.1

BROMIDES
IODIDES
BISMUTH SALTS
BARBITURATES, CITRATES
COCAINE AND SALTS
CAFFEINE AND SALTS
EPHEDRINE AND SALTS
CHLOROFORM
ETHER

they
rely on you for
accurate dispensing
you
can rely on

M&B PHARMACEUTICAL CHEMICALS

AVAILABLE FROM WHOLESALERS THROUGHOUT THE COUNTRY

MAY & BAKER LTD

DAGENHAM

'phone ILFord 3060 Ext 220

C

12 for the price of 11

Angiers

WINDOW DISPLAY BONUS

on

ANGIERS JUNIOR ASPIRIN
ANGIERS SUPAVITE
ANGIER'S HALIBUT LIVER OIL

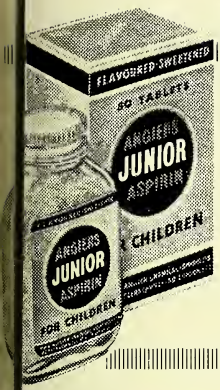
PRODUCT AND MINIMUM QUANTITY FOR BONUS	RETAIL PRICE EACH	BONUS PRICE PER DOZEN *(Including P.T. where applicable)*	BONUS PROFIT ON COST
ANGIERS JUNIOR ASPIRIN Unbroken Dozens	1/6	12/6	60%
ANGIERS SUPAVITE 1 Dozen 2 Dozen	 5/- 5/-	 38/11 37/11	 54% 58%
ANGIER'S H.L.O. 1 Dozen (*100*) 2 Dozen (*50*)	 7/6 4/-	 56/10 30/2	 58% 59%

Available until 31st. December, 1949

AND CHECK YOUR WINTER STOCK OF ANGIER'S EMULSION

Sole distributors for The Angier Chemical Co., Ltd.

FASSETT & JOHNSON LTD., 86 CLERKENWELL ROAD, LONDON, E.C



Three good reasons for stocking and displaying

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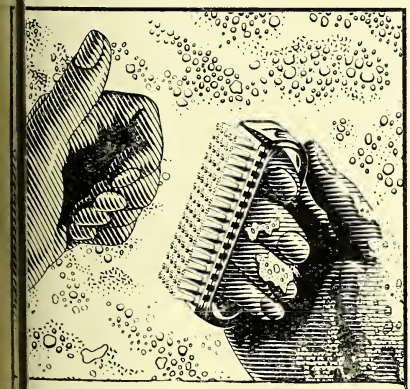

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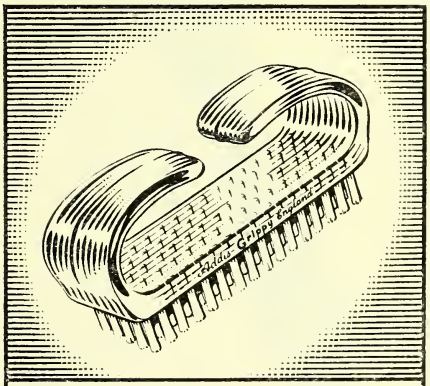

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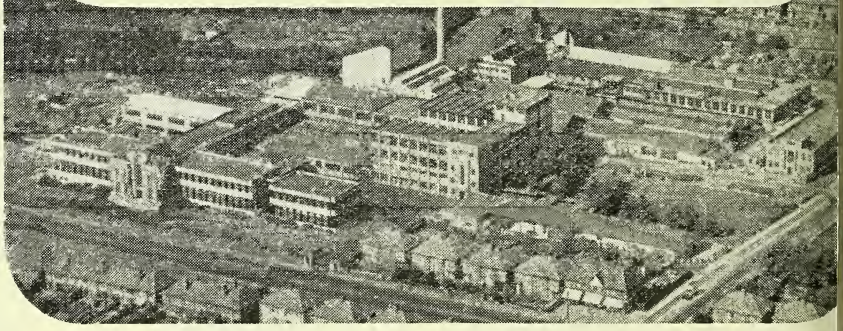

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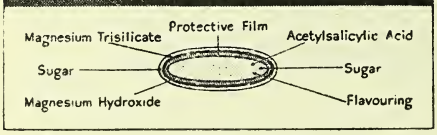

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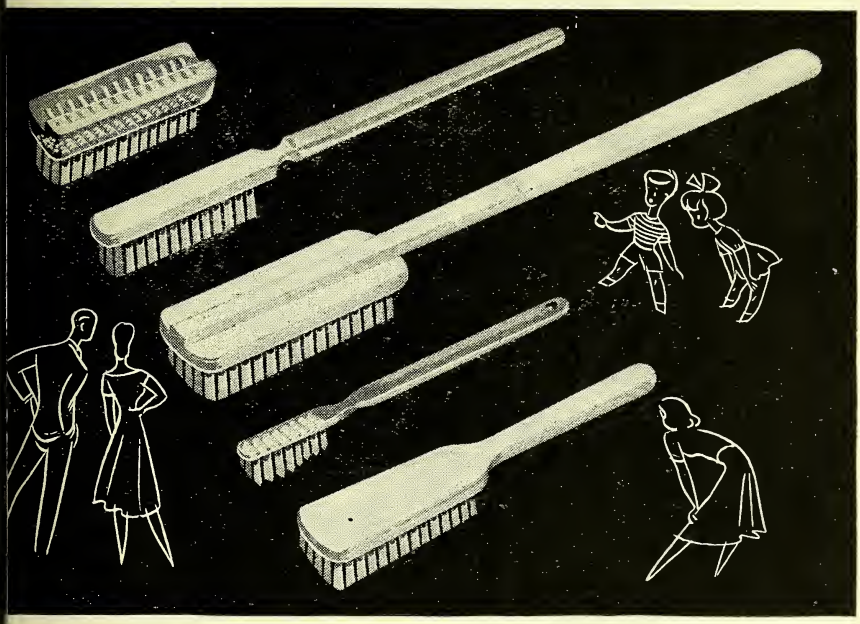

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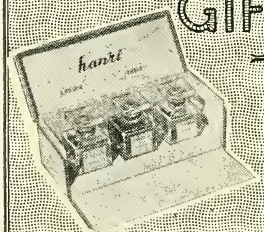

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DECEMBER 3, 1949

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e copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

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CONTENTS

A Pharmacy in Switzerland 776
Analysts' Reports 761
Antihistamines and Colds 777
Antihistamines and Related Drugs 770
Books, New 772
Business Changes 759
Coming Events 761
Company News 760
Correspondence 777
Deaths 756
Editorial Articles:—
Traders and Price Maintenance ... 767
What's in a Synonym? 768
Histamine Antagonists 769
Arthritis: a Swedish Treatment ... 769
Fifty Years Ago 782
Instruments and Apparatus ... 773
Irish News 754
Legal Reports 760
Local News 752
Medical Abstracts 765
News of the News 751
N.H.S. Reports 759
N.I. Pharmaceutical Committee ... 775
Personalities 757
Pharmaceutical Society of N. Ireland 775
Poisons Law, 1935-49—18 764
The Week in Parliament 758
Topical Reflections 755
Trade Marks 782
Trade Notes 762
Trade Report 778
Ulster Chemists' Association ... 774
Wills 756

NEWS OF THE WEEK

ey Industry Duty Exemptions.—de bismuth oxide, calcium citrate (fer-tation), and crude cerium chloride are ipted from key industry duty for the od November 24 to December 31,).

onfectionery from Australia.—The istry of Food announces that Australia been added to the list of countries which limited quantities of sugar con-onery may be imported under specific ce during 1949 and 1950.

cientific Films Census.—The Scienti-Film Association is conducting a onal survey of makers, owners and of scientific and similar films. De-of the scheme may be obtained from Secretary, 4 Great Russell Street, Lon-W.C.1. Information is treated as con-tial if the sender so desires.

nstitute of Biology.—The first meeting proposed Institute of Biology is to be in London on January 6, 1950, under provisional chairmanship of Dr. E. lle. Details may be obtained from Dr. G. C. Harris, Chester Beatty Research Institute, Royal Cancer Hospital, Fulham Road, London, S.W.3.

Ground Sulphur Dearer. — From December 1, maximum prices of ground sulphur have been increased by 35s. per ton, a change made necessary, according to the Board of Trade, by the altered sterling-dollar rate. The increase is effected by the Ground Sulphur (Prices) (Amendment No. 3) Order, 1949 (S.I., 1949, No. 2195).

A Medical School Jubilee.—The fiftieth anniversary of the Liverpool School of Tropical Medicine was celebrated on November 22. At a presentation ceremony during the celebrations thirteen workers received the Mary Kingsley medal, among them Brigadier N. H. Fairley, F.R.S., D.Sc., M.D. (for his work on mepacrine).

Packaging Team to Visit U.S. — The Anglo-American Council on Productivity has sent a team to the United States to examine the ways in which American goods are made up for retail sale and display. Amongst the team are representatives from the British chemical, toilet preparation and perfumery manufacturers.

Tax on Streptomycin Refunded.—The Chancellor of the Exchequer (Sir Stafford Cripps) has refunded to Dr. Sydney Hart, Alne Cross, York, a sum of £61 13s. 3d. paid as purchase tax on a consignment of streptomycin which the doctor imported from America in an attempt to save the life of his young daughter. The transaction took place shortly before tax was lifted from the drug.

International Opium Conference.—Representatives of the main opium producing countries—Turkey, Jugo-Slavia, Persia and India—met in Ankara on November 27 to discuss opium production which, according to the decisions of the Opium Convention, must be limited so as to provide for medical needs only. The two other opium producing countries, which will not participate at the conference, are Ethiopia and the U.S.S.R.

Resale Price Maintenance.—The Fair Prices Defence Committee has published in the form of a memorandum a reply by twelve trade organisations affected by the recommendations of the Government Committee on Resale Price Maintenance. Copies of the memorandum may be obtained from the Secretary, Fair Prices Defence Committee, 43 Gordon Square, London, W.C.1, price sixpence. Editorial comment on p. 767.

Census Forms Distribution.—So that traders may see the questions they will be required to answer in the 1951 Census of Distribution, the Board of Trade is providing specimen forms to all traders concerned. The specimen forms may be obtained from the counters of local food offices from December 5. If there is any difficulty in obtaining them locally, application may be made to Statistics Division, Board of Trade, Thames House North, Millbank, London, S.W.1; in that event applicants should state the kind of business in which they are engaged.

Work on Cortisone.—Reporting to the thirteenth annual meeting of the Empire Rheumatism Council in London, recently, Lord Horder (chairman) said the Council had set up a Cortisone committee, and the Medical Research Council had established a standing committee on rheumatism. Professor G. R. Cameron had consented to act as liaison between the two committees and the Scientific Advisory Committee. A standing committee on Cortisone and allied substances of the Department of Health of the United States was shortly to issue a report on allocations, supplies, etc., and had promised to communicate "in near future" with the committee of M.R.C. on the possibilities of strophar species and "a Mexican plant simila a yam" as sources of material. "T is obviously a bright future for plant oid extraction," said Lord Horder, an thought that the first supply of the would arrive in Britain in the sprin 1950. £1,000 had been set aside fo purchase. On November 29 Oxford versity accepted a grant of £10,000 the Nuffield Foundation towards the of research on Cortisone. The work be conducted at the Dyson Perrins l atory under Sir Robert Robinson.

LOCAL NEWS

Chemists Censured.—The Leeds Ex tive Council recently considered a re from the Pharmaceutical Service Com tee on investigations under the te scheme into the dispensing of two chemists. The Council has recomme that one chemist be warned, and tha other should have one guinea with from his remuneration.

Birmingham Address on Amphetam—At a meeting of the Birming Pharmaceutical Association held rec Dr. W. R. Bett gave an illustrated tal the use of Benzedrine and Dexedrin clinical medicine. Mr. C. McArdl vice-president of the Association) prop and Mr. Walsh seconded, a vote of th to the speaker.

Edinburgh Golf Club Dinner.—Edinburgh Chemists' Golf Club held annual dinner and presentation of p in Edinburgh, on November 18, Mr. Mathieson presiding. Dr. D. M (resident secretary in Scotland, Pha ceutical Society) presented the prizes proposed the toast of "The Club" Press was represented by Mr. R. H. L man, and the Lothians Golf Associ by Mr. J. Lorimer. (Picture opposite

Bath Branch Officers.—At the an meeting of the Bath Branch of the Pha ceutical Society on November 7, the lowing officers were elected:—*Presi* Mr. C. E. Hill; *Vice-president*, Mrs Shutter; *Treasurer*, Mr. C. H. James; *retary*, Mr. T. Swain, Stonecroft, W way, Bath; *Assistant Secretary*, Mr Williams. The meeting passed a re tion endorsing the action of the Co of the Pharmaceutical Society in its l to the Prime Minister on the prop 1s. prescription charge.

RGH CHEMIST GOLFERS.—*Group photographed at recent dinner of the Edinburgh Chemists' Golf* Left to right, *Messrs. C. C. Cummings, D. Walker, J. Lorimer, and J. B. McCaig, Dr. D. McCall, Messrs. R. S. Mathison (captain), R. F. Muir (secretary), and R. H. Leishman.*

mouth Scientific Meeting.—A film ed "Thiopentone Sodium and its in Intravenous Anæsthesia" was at a meeting of the Plymouth Branch e Pharmaceutical Society recently. A. G. Madge (chairman) welcomed . H. Day, who gave a brief history e introduction of that method of nesia and replied to a number of ons. A vote of thanks to the speaker proposed by Mr. R. Ramsden and led by Mr. W. Eustace.

lets Lecture at Dundee. — At a ng of the Dundee Branch of the Phartical Society held on November 9, a e on the "Principles and Practice of Manufacture" was given by Mr. rlinson, Ph.C. (Thomas Kerfoot & td.). The lecturer traced the evolu- f the tablet and showed how it had to be regarded as a very accurate d of administering drugs. Formula ements of different types of tablets discussed and demonstrations were of some of the practical aspects of manufacture. A cordial vote of was passed to the speaker.

ware Film Show.—Three medical n colour were shown at the second g of the session of the Hendon and re Branch of the Pharmaceutical at Edgware on November 28. films, which had been made in ca by Sharp & Dohme, Ltd., dealt he preparation and uses of the com- brand of human plasma, the treat- of ulcerative colitis with phthalylsulphathiazole, and the diagnosis and treatment of helminthiasis with hexylresorcinol. Mr. G. R. A. Short proposed a vote of thanks to the company, and to Mr. J. E. Day, who, after the show, answered members' questions.

Addresses at Edinburgh Meeting.—Speaking at a meeting of the Edinburgh and South-eastern Scottish Branch, Pharmaceutical Society, on November 25, Mr. F. Hepburn made a plea for co-ordination of pharmaceutical interests in Edinburgh, pointing out that five existing organisations had similar aims, and that there were other associations looking after the recreational side. He suggested that a co-ordinating committee should be formed consisting of the chairman and secretary of each group, the committee to meet at an early date to arrange programmes on different aspects of pharmaceutical interests. Miss Locker gave a summary of the different rôles the hospital pharmacist was called on to fill in the course of a day's work. Mr. Tait asked if the filling of bottles of stock preparations such as liquid paraffin, disinfectants, and ointments could not be delegated to unskilled labour. It was suggested to him that the supervision required for such delegated jobs outweighed the saving in salary. Mr. J. Carson gave a talk on the Blackpool meeting of the British Pharmaceutical Conference.

Harrow Dinner and Dance.—Upwards of 170 members and guests attended the annual dinner and dance in London on November 17 of the Harrow Branch of the Pharmaceutical Society. Mr. J. M. Atkin-

son proposed "The Pharmaceutical Society," to which Mr. H. Clement Shaw (president of the Society) replied. Miss E. Hayward (president, National Association of Women Pharmacists), replying to the toast "The Ladies," proposed by Mr. J. F. McNeal (vice-president of the Society), listed the important offices filled by ladies of the Harrow Branch. "The Visitors" was proposed by Mr. H. W. Tomski, and Mr. F. W. Skinnard (Member of Parliament, Harrow East), responded, sketching his close association with pharmacy from his boyhood days when, owing to "feeble health he had had to take a consuming interest in the products of the pharmacist." Mr. G. W. Horsley proposed "The Branch, coupled with the name of the chairman" and Mr. Atkinson replied. Amongst those present was a veteran member of the Pharmaceutical Society; Mr. G. H. Gough (a former president of the Leeds Branch).

Production of Medical Films.—The National Association of Women Pharmacists and the Western (London) Pharmacists' Association held a joint meeting on November 16, Miss Hayward (president, N.A.W.P.), in the chair. Introducing the speaker (Dr. Gwynne-Evans), Miss Hayward said that his father was a well-known member of the Western Pharmacists' Association. In his address, which was entitled "Filming in Medicine," Dr. Gwynne-Evans said he was indebted to his father for the training in photography that he had received. It was in those early experiments that he had laid down the foundation of the cinéphotography he was using in medicine today. Dr. Gwynne-Evans demonstrated the camera he had found to be best adapted for precision work and said artificial lighting was usually employed. When using colour film, contrast between light and dark colours had to be avoided, whilst backgrounds were illuminated to create a "moulding" effect of the subject. Exposure meters were necessary and the importance of lamp-filament temperatures for satisfactory colour rendering was emphasised. In editing the films, ruthless cutting of unsuccessful "shots" and superfluous material was essential. Commentaries could be given through a microphone or recorded on a sound track incorporated with the film, on gramophone discs or on electro-magnetic steel tapes. Individual pictures could be extracted from a film and made into slides and a series of such pictures was shown to the meeting. The film followed demonstrated the value of c photography as a method of research recording clinical material, and as a te ing medium.

Annual Dinner-dance at Blackpool. record number of members and fri attended the annual dinner and danc the Blackpool Branch of the Pharmac cal Society on November 23. A v drive, under the direction of Messrs. I Carter and H. H. Moorhouse preceded dinner. The guests were received Mr. J. L. Dawson Cook (president of Branch) and Mrs. Cook, and a bou was presented by Miss L. I. Ande (vice-president). The toast "The P dent" was proposed by Mr. F. J. C who spoke of the sporting interests of president and his outstanding capabi as a leader. Mr. P. Varley, in propo "The Ladies," recalled the interest of local ladies in the work of the Bra of their association with the committee of the £1,000 raised for war aid funds. president, in his reply, expressed his g tude to all who had assisted to make year of office and the British Pharmac cal Conference a success. A trave clock was presented to Mrs. Dawson C on behalf of the Branch by Miss I Anderson and to this and "The Lad Mrs. Cook suitably replied. Mr. T Durkin acted as toastmaster and mast ceremonies. The event was orga under the direction of Mr. J. Wylie C and Mr. A. Greenwood.

IRISH NEWS

Gaelic Athletic Club's Appeal.—College of Pharmacy Gaelic Athletic A ciation team, which has just entered its season in Dublin competitive footbal appealing for new playing members, campaigning for non-playing member contribute to the Club's funds.

President "At Home" to Member Mr. P. R. W. Shinner (president, Pha ceutical Society, Northern Ireland), w home to about seventy members in Society's building in Belfast on Nove 21 when films were exhibited on treati of diseases and injuries of the eye; s ture of the ear and damage to hea caused by ailments; modern method blood transfusion and blood storage; *x*-ray photography in the treatmen tuberculosis. Members were afterw entertained to tea by the president, was thanked by Mr. C. A. Quinn.

TOPICAL REFLECTIONS

Wise Suggestion

Little has lately been heard of the proposed vision of the Pharmaceutical Society's nstitution, the subject of a judicious edi-rial article in your issue of April 26, 47. The matter has, however, been ought into the news again by a remark Mr. Sparshott at the annual dinner of e Society's Nottingham branch (p. 728). In my opinion," he said, "it would be a stake if the Society encroached upon the ld at present covered by the National armaceutical Union." Though I have reason for thinking that the Society ntemplates any such encroachment, I gard Mr. Sparshott's comment as wise. e absorption of the British Pharmaceu-al Conference by the Society in 1922 is warning against acceptance of similar tion for equally poor reasons. The organ-tion of a new branch system by the uncil early in that year was a step in eping with the objects of the Society and e pressure of events; but the capture of e Conference had no justification. Those o were in touch with experienced mem-rs of the Conference at the time can bstantiate my remembrance that grave ubts about changing the basis of that entific forum were expressed. It is no swer to such doubts to point out that od attendances at the annual meetings ve been maintained. I still regard the cision of 1922 as a mistake—made, no ubt, from the highest motives but none less unfortunate. If I hear of any ilar proposal in respect of the National armaceutical Union, I shall wish to echo rds used at the Nottingham Conference 1922: "Why not leave well alone?" d to oppose.

ead Under Observation

Your reference to a method of determin-g the amount of mineral oil in bread (p. 2), this oil being present because of de use as a lubricant, reminds us that nature, substance and quality of the ad commonly found in shops are not that could be wished. As is well known, uid paraffin has been under suspicion some years past, and is regarded as a bstance potentially deleterious when en internally. That being the case, a nd rule for its administration as a laxa-e is to arrange that doses are not allowed follow each other at short intervals. This caution being inapplicable to bread or er articles of food, the alternative is to apply the statutory limit strictly and to keep, if possible, well on the safe side of it. Has any investigation, with controls, been made into the physiological effect of calcium carbonate in the flour now on sale? While this addition may be excellent for young children, it seems to be of doubtful value for persons above middle age. The case against it might, in fact, be put more forcibly. This treated flour becomes the basis of many common articles of food in addition to bread; it is therefore the more difficult for us to avoid it. A distaste for bread and other farinaceous foods among the elderly is, in the circumstances, not surprising.

Science in Detecting Crime

The lecture of Dr. G. E. Turfitt at Kingston-on-Thames (p. 728) on the scientific investigation of crime must have had an attentive audience; for most people are interested in crime, whether by attraction or by repulsion. Useful advances have been made in recent years in methods of analysis, rendering easier the detection of crimes and their differentiation from accidents. The contrast between the well-organised system of our police laboratories and the rudimentary tests made in criminal charges two centuries ago is striking. One of the best-known trials of the eighteenth century was that of Mary Blandy, who was convicted at Oxford on March 3, 1752, of the murder of her father, a Henley attorney. In "The Gentleman's Magazine" for the next month the account of her trial filled about eight pages. The expert evidence came from two physicians and an apothecary; the analytical tests, such as they were, had been carried out by the apothecary. One specimen, a sediment from gruel, was divided by him into three parts: he burnt one of the parts on a poker, by that means satisfying himself of the presence of arsenic. The patient's symptoms, described by the other two experts, pointed to arsenical poisoning; the defence that the powder was administered under the impression that it was a substance able to win Mr. Blandy's consent, long refused, to his daughter's intended marriage was unavailing. Much Press publicity was given to the case, and it found its way into Horace Walpole's correspondence. By a coincidence, another woman was hanged about the same time for the murder of an uncle; she received less publicity.

Xrayser

DEATHS

ANDERSON.—At Glencarrol, 13 Stratton Drive, Giffnock, suddenly, on November 18, Mr. Charles Anderson (a director of Frazer & Green, Ltd., manufacturing chemists, 127 Buchanan Street, Glasgow). Mr. Anderson had had fifty-two years' service with the company, and was its secretary from 1901 to 1947.

ASTON.—Recently, Mr. Charles Surgeon Aston, M.P.S., The Medical Hall, Marwayne, Alta, Canada. Mr. Aston qualified in 1901.

CAPPELL. — On November 10, Mr. Robert Stewart Cappell, P. and O. House, 40 Cockspur Street, London, S.W.1. He qualified as a chemist and druggist in 1920.

COLLINS.—At his home, Benduff, Kimmage Road West, Dublin, on November 22, Mr. Arthur F. Collins, B.Sc., H.Dip., M.P.S.I. Mr. Collins, who was only in his early fifties, was the author of several textbooks on pharmaceutical botany and materia medica and was for many years lecturer and later examiner in those subjects to the Pharmaceutical Society of Ireland. A native of Dublin, he spent his early years in pharmacy at Evan's Medical Hall, Dawson Street, Dublin, qualifying in May 1921. He went on to graduate Bachelor of Science at the National University of Ireland to which he subsequently added the Higher Diploma in Education. While pursuing his academic studies he kept close touch with the practical side of the profession by establishing a business at Rathfarnham, Dublin. Subsequently he was appointed Compounder to the Rathmines Dispensary District and for many years, as one of the most active members of the Irish Compounders' Association, he championed the rights of pharmacists holding public appointments. From 1936 Mr. Collins was editor of the "Irish Chemist and Druggist," a post he filled up to the time of his death. At the funeral to Glasnevin Cemetery on November 24 pharmacy was represented by Messrs. T. C. Scott (president, Pharmaceutical Society of Ireland), J. Gleeson (treasurer), P. A. Brady, James G. Coleman (registrar), J. J. Kerr, Phil Fahey, E. MacManus, M. Hanna, L. Cashman, A. Walsh, M. Power, R. F. Timoney, C. S. O'Connor, D. J. Nugent and Sylvester O'Farrell, Miss M. Lawlor, and Drs. E. Dowling and V. Barry.

DAVIDSON.—Recently, after a long illness, Mrs. Sarah Eleanor Winifred Davidson, wife of Mr. A. Linton Davidson, Ph. F.R.I.C., 61 Cartier Street, Otta Canada. Mrs. Davidson qualified as chemist and druggist in 1910 and as Pharmaceutical Chemist in 1911.

DUNNING.—On November 18, Mr. Jar Dunning, M.P.S., Chelonia, Castle Ro Ventnor, Isle of Wight, aged seventy-ni

GOLDBERG.—In Tel-Aviv, Palestine, November 26, Mr. Elias Goldberg, B. managing director of Evans Medical S plies (Near East), Ltd. Mr. Goldberg, w was very well known in trade circles in Near East, joined Evans Medical Suppl Ltd., in 1940. In 1945 he opened the co pany's Near East branch after four ye of acting as agent. At the time of death Mr. Goldberg had just returned Palestine after a year in Brazil, where was engaged in reorganising the Brazil branch of the company.

GOODMAN. — On November 17, M Cornall Goodman, M.P.S., 76 North Fa Road, Leeds, 8, aged seventy-seven.

STRANG.—On November 13, Miss Ca erine Tennant Strang, M.P.S., whose a dress in the register was 2 Landsborou Drive, Kilmarnock, aged fifty-one.

TYLER.—On November 13, Mr. R ston Tyler, M.P.S., whose address in t register was 103 High Street, Abersych Pontypool, Mon, aged thirty-three.

WARBURTON.—On October 15, Mr. Jo Turner Warburton (Brooks & Warburt Ltd.). Born in Liverpool in 1870, M Warburton emigrated to the United Stat where he farmed in Nebraska for th years before going to Denver, Colorado, study pharmacy. He passed the St Board examination, and after a furt eight years in America returned to E land. He secured a position with M Charles Brooks, chemist, Northumberla Avenue, and was eventually taken i partnership. After the death of Mr. Bro in 1919 he carried on the firm of Bro & Warburton as general manager. The fir converted into a limited company, erect and opened its Vauxhall Bridge Ro headquarters in 1929. He is survived his widow and a daughter.

WHITESIDE. — On November 6, M Robert Cuthbert Whiteside, M.P.S., Nixon Street, Walton, Liverpool, 4, ag sixty-two. Mr. Whiteside had been manager for Timothy Whites and Taylo Ltd., since 1927.

PERSONALITIES

Mr. H. Lomax, M.P.S., Liverpool, who tained an injury to his leg while attend- the British Pharmaceutical Conference Blackpool, is progressing favourably.

Mr. A. C. Cannon, M.P.S., F.B.O.A., S.M.C., chairman, 1949-50, of the Cornish Branch of the National Pharmaceutical Union continues to act as branch secretary, a post he has held since 1946. Mr. Cannon has been a member of the Cornwall Pharma- 1935, and has been its chairman in gist in 1912, was a chemist and drug- after qualifying as since two years ceutical Committee

secretary since 1945. Pharmacist repre- tative for many years on the Cornwall surance Committee, he now serves on county's Executive Council. He was retary of the Cornwall Branch, Pharma- tical Society, from 1944-46, and its airman in 1946. Mr. Cannon served his prenticeship with Balkwill & Co., Ply- uth, and gained experience with Broom, id & Harris, Exeter, and Allen & Han- rys, Ltd., Southampton, before taking er his present business at Truro in 1914. has recently been joined in partnership Mr. G. T. Collins as Cannon & Collins. addition to his other pharmaceutical ties, Mr. Cannon acts as correspondent the pharmaceutical Press on local airs. He is justly proud that there is a 0 per cent. membership of his N.P.U. nch.

Dr. E. Lester Smith (Glaxo Labora- ies, Ltd.), left Britain by air on Novem- r 27 for the United States, at the invita- n of the World Health Organisation. is to take part in discussions on the ndardisation of vitamin B_{12} and other tters.

Mr. Geoffrey Cecil Ryves Eley airman of The British Drug Houses, d., London) has been appointed to the rt of the Bank of England. Educated Eton and Trinity College, Cambridge, r. Eley graduated with first-class honours Part II of the Law Tripos and was arded the Davison scholarship to Harvard University, Massachusetts. Returning to England, he joined the editorial staff of the "Financial News," and subsequently worked with various Anglo-American financial houses. In 1946 he became Director of Overseas Disposals at the Ministry of Supply, and for this work was awarded the C.B.E. in 1947. He joined the board of The British Drug Houses, Ltd., as financial director in May 1946, became deputy-chairman in October 1947 and chairman in July 1948. He is a director of a number of other companies.

Mr. E. Harrison, M.P.S., who is going into partial retirement after disposing of his business at Llandudno Junction (see p. 759), was apprenticed for six years at the age of fourteen at Nelson, Lancs. He worked a seventy-hour week with a commencing salary of 2s. 6d. per week (rising annually by 1s. per week) and living-in. In 1914 he qualified and was manager for Francis & Co., Wrexham, for a period of about six years interrupted by war service, 1916-18. He purchased the Llandudno Junction business in 1922. Mr. Harrison intends to devote his future to his hobbies, gardening, trout and salmon fishing, and photography, activities which have been restricted during the years in practice (usually with a sixty-four-hour week) at Llandudno Junction. In his twenty-seven years at Llandudno he has only been absent from work for seven days. Mr. Harrison says he has enjoyed hard work and has been supported always by a "happy and contented staff." His Penmaenmawr business, which he purchased seventeen years ago and is still continuing, is under a manager and does not require his active participation.

WILLS

Mr. W. Priest, M.P.S., 28 Swift Street, Barnsley, Yorks, left £5,567 (£5,338 net).

Mr. A. Shaw, M.P.S., 774 Barking Road, London, E.13, left £4,113 (£2,833 net).

Mr. G. A. Stocks, M.P.S., 19 Bradford Road, Brighouse, Yorks, left £8,064 (£7,491 net).

Mr. J. Hodge, M.P.S., 33a Stafford Road, Waddon, Surrey, left £2,113 (£1,319 net).

Mr. A. Salmon, M.P.S., Chingford, Lowdale Sleights, Yorks, formerly of Stockton, left £2,564 (£2,524 net).

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

COLONEL STODDART-SCOTT asked the Lord President of the Council on November 21 how far the Medical Research Council sponsored, subsidised or assisted research into the problem of rheumatic diseases, which caused an economic loss of over £20 million a year, and how much money had been spent annually since the war in this type of research.

MR. HERBERT MORRISON replied that research on rheumatic diseases had formed an increasingly important part of the programme of the Medical Research Council since a new approach to the problem was opened by the recent discovery in America of the effect of compound E (Cortisone) in relieving those conditions. The possibility of preparing better compounds of a similar type was being actively pursued at a number of centres in this country, and large numbers of investigators were concerned. The work was necessarily costly, but in view of rapid expansion in the field of study it was not yet possible to estimate the total expenditure in the current financial year.

Purchase Tax on Manufacturers' Stores

When MR. F. J. ERROL asked the Chancellor of the Exchequer on November 22 if, with a view to helping to give effect to the Government's policy of preventing taxation entering into industrial costs, he would refund purchase tax paid by firms for equipment, stores and other items required in connection with their business activities, he received the reply that that procedure was not practicable, nor did Sir STAFFORD CRIPPS think it would make any material difference to industrial costs.

Simplifying Customs Procedures

SIR PATRICK HANNON asked the Chancellor of the Exchequer on November 22 if he would make a statement on the progress that had been made in simplifying Customs procedure in the United States for the encouragement of foreign traders to sell and ship goods to the U.S.A. SIR STAFFORD CRIPPS replied that a series of meetings had been held at the Bureau of Customs at Washington from October 31 to November 8. The talks were at the official level, mainly between Customs representatives of the United States, the United Kingdom and Canada. They concerned Customs procedures, and compared the systems of the three countries in such fields as classification and valuation goods, assessment of penalties, marking quirements, auditing and accounti sampling, weighing and testing, and tr ment of currency exchange practices. was early yet to look for specific resu Indeed, the nature of the meeting rather that of exchanging views and c paring experience, but it was felt, by th who took part, that the discussions been of great value.

Hire Purchase

MR. JOHN HAIRE asked the Presiden the Board of Trade on November 22 w it was proposed to introduce regulati amending the existing Hire Purch Order, and MR. L. J. EDWARDS (Par mentary Secretary) replied that the Mi ter hoped to introduce a new Order shor

Waste of Bottles

MR. B. JANNER asked the President the Board of Trade on November whether he was aware of the waste of g bottles and jars of all types at the pres time, and what steps he proposed to t to remedy it and thereby prevent divers of labour into unnecessary channels.

MR. L. J. EDWARDS: There are alre efficient recovery and reconditior arrangements for milk and beer bottles other glass containers which lend th selves to regular collection in unconta nated condition. Similar arrangements c not readily be made for other types container and I am not prepared attempt to press packers to use recove containers in the place of new ones wh cleanliness and sterility must normally more reliable. I understand that, in gene the labour needed to collect, sort, clea and, where necessary, sterilise used bot and jars, would be as great as that nee to make new ones.

Census of Production

Questioned by SIR WALDRON SMITH on the Census of Production, on Nov ber 23, MR. L. J. EDWARDS (Parlian tary Secretary to the Board of Trade) that most firms had completed the turns. To excuse the small minority had failed to comply with their legal ligations would be neither practicable desirable. It would reduce the value of Census and of the work done by th firms which had already completed thei

ns, since the value of the Census de-
ded on the completeness of the infor-
tion collected. The number of sum-
nses issued so far was about thirty.

lling Levy on Prescriptions

IR THOMAS MOORE asked the Minister
Health on November 24 if he had made
estimate of the extent to which the
posed 1s. tax on National Health Ser-
e prescriptions would reduce the demand
doctors or alternatively increase the de-
nd on chemists.

MR. ANEURIN BEVAN: No. There is evi-
ce of unnecessary resort to doctors and
mists which the proposed charge is in-
ded to reduce, but I am unable to esti-
te the exact extent to which this is
ly to take place.

sts of Medicine in Hospitals

MR. P. PIRATIN asked the Minister of
alth on November 24 what was the
rage cost of prescribing a medicine in
pital, how the figure compared with
ilar medicines provided by chemists,
l whether he could account for the dif-
nce. MR. ANEURIN BEVAN replied that
information was not available. MR.
ATIN further asked whether the Minis-
would propose to find an opportunity
ascertaining that information. If he did
he would find that the average cost of
rescription in a hospital was 9d., where-
in a shop it was 3s. Could he not find
opportunity for a new regulation to
g the shop price down to the hospital
e? MR. BEVAN said he did not know
v Mr. Piratin had arrived at that figure.
he will tell me of his arithmetic on
ch he bases his figure I shall be ex-
nely interested."

MR. PIRATIN also asked the Minister of
alth on November 24 whether, in
v of the high prices charged for pres-
ed medicines and proprietary brands
medicines, and with a view to saving
vernment expenditure, he would con-
r introducing measures to control the
g industry. MR. BEVAN replied that
prescribing of unnecessarily expensive
gs was being investigated

N.H.S. Quiz.—The "National Health
vice Anniversary Quiz," (price three-
ce) published for the Socialist Medi-
Association by Today and Tomorrow
blications, Ltd., 86 Rochester Row,
/.1, presents in question and answer
n a series of facts and opinions on the
ration of the National Health Service.

BUSINESS CHANGES

UNIVERSAL BRUSH CO., LTD., have appointed Mr. C. E. Holland to their sales staff.

THE EXPORT CREDITS GUARANTEE DEPARTMENT, Board of Trade, has opened an office at 14 Castle Street, Liverpool, 2.

MR. P. K. MACPHERSON, M.P.S., has acquired the pharmacy at 36 Hamilton Street, Saltcoats, Ayrshire, formerly owned by Mr. J. N. Whyte, M.P.S.

N.H.S. TRIBUNAL.—The clerk to the tribunal set up by the Ministry of Health (see *C. & D.*, March 19, p. 353), is now Mr. R. B. Cooke, solicitor, 2 John Adam Street, Adelphi, London, W.C.2.

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19, have appointed Mr. C. Hughes, M.P.S., their medical representative in the Tyneside, North and South Durham and North and East Yorks areas.

MR. W. J. EVANS, M.P.S., advises that the address of his main business is at 59 Bridge Street, Usk, Mon, with branches at 25 Bridge Street, Usk, The Cross, Coldicot, Chepstow, and 55 Frogmore Street, Abergavenny.

SCOTTISH CO-OPERATIVE WHOLESALE SOCIETY, LTD., have acquired the pharmacy formerly owned by Mr. J. W. Sibbald, 80 High Street, Markinch, Fife, and transferred the business to their branch at 51 High Street, Markinch.

MR. H. ROGERS JONES, M.P.S., has acquired the pharmacy at 140 Conway Road, Llandudno Junction, Carnarvons, formerly owned by Mr. Edgar Harrison.

THE administrative and marketing offices of British Schering, Ltd., have been transferred to 229 Kensington High Street, London, W.8.

N.H.S. REPORTS

The following statistics are taken from recent annual reports of Pharmaceutical Committees:—

	July 1048-March 1949
MONTGOMERYSHIRE	
Pharmacies	14
Prescriptions	61,178
Cost of pharmaceutical services ...	£12,530
	July 1948-June 1949
EAST HAM	
Pharmacies	30
Prescriptions	612,831*
Payments to chemists	£68,077
Persons on doctor's lists	122,460

*excluding three months' final payments

NEW COMPANIES

P. Harris, Ltd. (P.C.). — Capital £2,000. To carry on the business of chemists, druggists, etc. Philip Harris and Thomas C. Nicoll, B.Sc., M.P.S., directors. R.O.: 183c Old Street, London, E.C.1.

Medicated Paper & Chemical Co., Ltd. (P.C.).—Capital £3,000. To carry on the business of wholesale and manufacturing chemists, etc. Joseph Oxley, Eric W. J. Pearce and Stanley B. Moore, directors. R.O.: Pallissy Works, Bernard Road, Sheffield, 2.

F. Guttridge, Ltd. (P.C.).—Capital £1,500. To acquire the business of a chemist and druggist carried on by the executor of the late F. Guttridge at 107 High Street, Ashford, Kent. Blanche I. Buckman, M.P.S., and Augustus S. J. Marks, directors. R.O.: Granite House, 97 Cannon Street, London, E.C.4.

Company News

Aspro, Ltd.—An interim dividend is recommended of 15 per cent. (same).

Griffiths Hughes Proprietaries, Ltd. —An interim dividend is recommended of 2½ per cent. (same).

Spa Brushes, Ltd.—Net profit for the year ended August 31, after tax, amounts to £21,291; taxation, £46,135. The sum of £8,504 is transferred to capital reserve. A final dividend is recommended of 14 per cent., making 24 per cent. for the year. £6,933 (£15,840) is carried forward.

Howards & Sons, Ltd.—Underwriting has been completed for a placing of 189,514 5½ per cent. cumulative £1 preference shares; the issue will provide new finance towards a capital development programme. Application has been made for quotation for the whole of the £450,000 preference capital; it is not yet intended to apply in respect of the £378,000 of ordinary shares. The directors are retaining their substantial interests in the preference and ordinary capital of the company. Mr. Alfred G. Howard, who has retired from the board of directors, has been elected first president of the company.

Willows Francis Pharmaceutical Products, Ltd.—This concern was converted into a public company on November 17 with an issued and fully paid capital of £184,000 and with no debentures, mortgages or secured loans. Incorporated as a private company in October 1948, it acquired on June 30, 1949 the businesses of Willows, Francis, Butler and Thompso Ltd., and Pharmaceutical Manufacturi Co., Ltd. A placing is being arranged up to 90,000 6 per cent. redeemable cum lative £1 preference shares and 250,0 2s. 6d. ordinary shares. C. R. H. Howe M. N. T. Gubbins, O.B.E., M.C., A. Cornforth, L. A. Blackburn and J. Morrall, directors. R.O.: 73 Shacklew Lane, London, E.8.

LEGAL REPORTS

Formaldehyde in Milk.—When t farmers were fined at Garvagh, co. Lo donderry, petty sessions, on November for selling milk containing formaldehy it was stated on behalf of one of th that he had been advised by a chemist use formaldehyde as a preservative of t milk in hot weather. The defendant, was urged, had done this innocently.

Alleged Forged Certificate.—At Liv pool city magistrates' court on Novem 25. Robert Leonard Dodson, described a dispenser, Cawdor Street, Liverpo pleaded guilty to having used, with int to deceive, a certificate of competent sk and knowledge and qualification, issu under the Pharmacy Act, 1868, and having forged the certificate. He was fin £10 on each of the two summonses a ordered to pay £5 5s. costs. For t Pharmaceutical Society, which prosecut it was stated that until about two ye ago a Mr. Kennedy, a qualified chem had a business at 2 Park Road, Liverpo When Mr. Kennedy died the business w carried on by his executors. In the lat part of 1948 the executors were finding difficult to get a qualified chemist to as manager of the business, and eventua defendant was contacted through a mut friend of Mr. Kennedy's widow. was engaged, and throughout the ti Dodson worked for them the execut were under the impression that he was qualified chemist. Requests were made him to produce his certificate of regist tion and subsequently the executors' soli tor approached him. Defendant sent h a certificate, not of registration, but qualification. On closer inspection by t examination department of the Society was found to be the certificate issued Mr. Kennedy. That had been altered. F the defendant it was stated that he h had twenty years' experience as a dispe ser. During five years when he was in t Royal Air Force he was engaged in dispe sing.

COMING EVENTS

Monday, December 5

MINGHAM PHARMACEUTICAL ASSOCIATION, the Grand Hotel, Birmingham, at 8 p.m. Mr. H. Noble (secretary, National Pharmaceutical Union), on "Pharmaceutical Problems and Prospects."

E OF THANET BRANCH, PHARMACEUTICAL SOCIETY, Royal Rock Hotel, Margate, at 7.45 p.m. Dinner.

Tuesday, December 6

DFORD BRANCH, PHARMACEUTICAL SOCIETY, Room o Great Northern Hotel, Bradford, at 7.30 p.m. Address by Dr. J. Douglas (Medical Officer of Health, Bradford).

UGH BRANCH, PHARMACEUTICAL SOCIETY, Community Centre, Slough, at 8 p.m. Mr. C. Heaven, Ph.C., on "Modern Conceptions of Drug Actions."

RMACEUTICAL SOCIETY OF IRELAND, Gresham Hotel, Dublin. Dance in aid of Benevolent Fund.

IETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS, and FOOD GROUP, SOCIETY OF CHEMICAL INDUSTRY. Meeting room, Chemical Society, Burlington House, Piccadilly, London, W.1, at 3.45 and 7 p.m. Joint meeting. "Properties of Pectin and its use in the Food Industry."

Wednesday, December 7

TER BRANCH, PHARMACEUTICAL SOCIETY, Imperial Hotel, Barnstaple, at 7.30 p.m. Lecture. Mr. R. G. Chamings, B.Pharm., Ph.C., on "The Steroid Hormones."

Thursday, December 8

RMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Mr. E. C. Cripps, M.P.S., on "Pharmacy in the Eighteenth and Early Years of the Nineteenth Century" (illustrated).

STOL BRANCH, PHARMACEUTICAL SOCIETY, Board Room, Guildhall, Small Street, Bristol, 1, at 7.15 p.m. Film show.

ESTER BRANCH, PHARMACEUTICAL SOCIETY, Blossoms Hotel, Chester, at 8 p.m. Showing of films "Mastitis," "Contagious Abortion" and "Physiology of the Kidney."

NDEE BRANCH, PHARMACEUTICAL SOCIETY, Mathers Hotel, Whitehall Place, Dundee, at 7.30 p.m. Mr. D. W. Hall, B.Sc., University College, on "The Biologist and the Chemist."

RROGATE BRANCH, PHARMACEUTICAL SOCIETY, Fuller's café, Harrogate, at 7.30 p.m. Film show, "Medical Applications of Sulphonamides" introduced by Dr. E. W. Tapley (May & Baker, Ltd.).

NCHESTER PHARMACEUTICAL ASSOCIATION and BRANCH, Midland Hotel, Manchester, at 7.45 p.m. Dr. H. Davis (chief pharmacist, Ministry of Health) on "Some Pharmaceutical Aspects of the National Health Service."

TH LONDON PHARMACEUTICAL ASSOCIATION and BRANCH, Beale's Restaurant, 370 Holloway Road, London, N.7, 7.30-11.30 p.m. Dance. Tickets 5/. 6d. (including refreshments.)

Friday, December 9

KENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION, Chamber of Commerce Rooms, Hamilton Square, Birkenhead, at 8 p.m. Mr. G. H. Wolfe on "Some Comments on the B.P.C. 1949."

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Stratford Church Institute, 27 Romford Road, London, E.15, at 8 p.m. Mr. T. C. Lou on "Pharmacy in China."

FINE CHEMICALS GROUP, SOCIETY OF CHEMICAL INDUSTRY, chemistry lecture theatre, King's College, Strand, London, W.C.2, at 7 p.m. Dr. B. A. Hems, B.Sc., F.R.I.C., on "A Synthesis of *l*-Thyroxine."

Saturday, December 10

SOUTH WALES BRANCH, GUILD OF PUBLIC PHARMACISTS, Bridgend, Glamorgan, at 4.45 p.m. Mr. J. T. Marsh, M.P.S., on "Streptomycin."

SIR JOHN CASS TECHNICAL INSTITUTE, Jewry Street, Aldgate, London, E.C.3, have arranged a course of eight lectures on recent developments in the chemistry of vitamins and analgesics on Friday evenings (6.30 to 7.30 p.m.), from January 13. Fee for the course, £1.

ANALYSTS' REPORTS

Liverpool.—The Liverpool city analyst in his annual report comments that a High Court decision on the definition of medicine leaves a loophole in the labelling and sale of prepared medicines. "The section of the Act refers to substances recommended as medicines, and the decision was that a substance was not recommended as a medicine unless the recommendation was calculated to lead to the use of the medicine for the prevention or treatment of some ailment, infirmity or injury. Thus a prepacked 'patent' medicine with a general reference to head, chest or stomach, and a dosage, is exempt, but if it refers to headaches, coughs or indigestion it must give the ingredients or composition on the label." Thus many articles are not covered by either the Labelling of Food Order or the Pharmacy and Medicines Act.

Birmingham.—The report of the Birmingham city analyst for the second quarter of 1949 states that thirteen out of 129 samples of drugs taken proved incorrect. The samples were: Boric acid ointment (two samples contained 10 per cent. boric acid instead of 1 per cent.); cold and influenza mixture (falsely labelled); hydrogen peroxide (deficient); tincture of iodine (two samples deficient in potassium iodide); Parrish's chemical food (deficient in ferrous phosphate): rose hip syrup (sample had fermented); Seidlitz powders (one contained sodium sulphate as impurity, one was deficient in tartaric acid and one appeared to have been wetted and re-dried); sulphur ointment (excess of sulphur); white precipitate ointment (labelling offence). Cautions were issued in ten cases.

TRADE NOTES

Temporarily Out of Stock.—Sharp & Dohme, Ltd., Hoddesdon, Herts, state that no supplies of Prothricin will be available for approximately two months. Orders may be sent in for delivery when further supplies come to hand.

Bonus Offer.—Allen & Hanburys, Ltd., Bethnal Green, London, E.1, announce that bonuses of thirteen to the dozen are available on all direct orders of either 1 doz. Allenbury's Diet or 3 doz. Haliborange from December 1, 1949, to March 31, 1950.

Error in Advertisement. — The Denver Manufacturing Co., 12 Carlisle Road, London, N.W.9, regret that the CF device was omitted from their announcement in the November 26 issue of the *C. & D.*, and that the word "Limited" was wrongly added to the company's title.

New Ampoule Size.—Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, announce that their Viskiosol Six brand of viscous solution of diodone for hysterosalpingography, already available as a sterile solution in ampoules of 15 c.c., is now also available in ampoules of 10 c.c.

Addition to Range. — Brand & Co., Ltd., Mayfair Works, Vauxhall, London, S.W.8, are adding to their range of baby foods a new thick bone and vegetable broth, packed in a 2¾ oz. jar. An attractive circular showcard, in which a jar may be mounted, is available.

Tablets of P.A.S.—Roussel Laboratories, Ltd., 4 Golden Square, London, W.1, are marketing under the name Bactylan enteric-coated tablets each containing 0.69 gm. sodium para-amino salicylate dihydrate (equivalent to 0.5 gm. of the pure acid). The tablets are presented in hermetically sealed bottles containing 250 tablets.

Chilblain Tablets Formula.—Keldon, Ltd., 17 Wadsworth Road, Perivale, Middlesex, state that an incorrect formula for Perikay chilblain tablets was given in the company's announcement in the November 26 issue of the *C. & D.* Each tablet contains acetomenaphthone, 10 mgm., and nicotinic acid, 25 mgm., in addition to its vitamin D, calcium, and ferrous sulphate content.

Again Available.—Diadermine (1949), Ltd., 66 Newman Street, London, W.1, have reintroduced Diadermine *crême medicale de beauté,* an all-purpose cream, popular on the Continent and (pre-war) this country. The company point out th an incorrect price appeared in an a nouncement by the company recently the advertisement pages of this paper.

Help in Export Marketing.—The O borne-Peacock Co., Ltd., 47 Cannon Stree London, E.C.4, have produced a twent page brochure, "Export Marketing in Buyers' Market," which discusses vario methods of selling in overseas territori and offers the help of the company's ove seas division in preparing statistics, adver ising, and marketing.

Portable Ultra-violet Outfit. — Tl London Commercial Electrical Stores, Cursitor Street, London, E.C.4, have pr duced "a compact, efficient and safe Sol-tan portable ultra-violet ray apparatu The unit is housed in a heavy-gauge al minium chassis, and is in two sizes (sta dard and double-power). It is availab for alternating-current mains only.

"Whispering" Campaign.—Macdona & Son, Ltd., Hope Mills, Pollard Stree Manchester, 4, have booked advertisin space in women's weeklies to a total circ lation of nine million readers for a "whi pering" campaign pointing out the adva tages of Silcot sanitary towels. Cut-o miniature showcards to link up with t campaign are available from the man facturers.

Seven-day Week.—Employees of Wo Bros. Glass Co., Barnsley, Yorks, ha volunteered to work seven days a week order to help the country's export driv A letter of congratulation has been sent the company by the Prime Minist through the local member of Parliamen and the fact has also been mentioned a recent speech in a debate in the House Commons.

Supplies Exhausted.—Morny, Ltd., Wadsworth Road, Perivale, Greenfor Middlesex, announce that producti of their bath dusting-powder, bath-sa tablets and bath-salts crystals (catalog Nos. 431, 451 and 470) for delivery pri to Christmas has been completely sold o Supplies of each of those items will available immediately after the Christm holiday period.

Film Link-up.—The latest piece of sh material for Elastoplast issued by t manufacturers, T. J. Smith & Nephe

H., Neptune Street, Hull, is a brightly oured window bill to tie up with the tro-Goldwyn-Mayer film "The Barkleys Broadway." The poster includes a still wing Fred Astaire with a wound on his ehead and Ginger Rogers anxiously king on. The slogan is "Don't worry, nger . . . Elastoplast will fix it."

Photographic Year Book.—The 1950 nson Wellcome Photographic Year ok, the first edition for which Johnsons Hendon, Ltd., Hendon Way, Hendon, ndon, N.W.4 have been solely respon- e, incorporates many suggestions made purchasers of previous editions. The llcome exposure calculator is retained has been amended to conform with British Standard Photographic Expo- e Tables (B.S., 1018, No. 025). Distri- ion to dealers has commenced.

Penicillin Preparations for Dispensing. Penicillin lozenges and ointment issued The British Drug Houses, Ltd., Graham eet, City Road, London, N.1, are now ilable in special dispensing packs. The enges are in tubes of twenty in outers of tubes, and the ointment in 1-oz. tubes outers of six and twelve tubes. The area printed matter has been reduced so that chemist's label adequately covers the a. When ordering, it is necessary to cify "dispensing packs."

Service After Fires.—W. B. Cart-ight, Ltd., Rawdon, Leeds, one of ose main warehouses was severely naged by fire on November 23, state t business is as usual and that produc- n is not likely to be adversely affected.—llowing a fire which completely de- yed the Chapel Lane, Bradford, build- of Optabs, Ltd., the company has porarily established itself at 60 Leeds ad, Bradford (Postal address, P.O. Box , Bradford).

Liquid Shampoo in New Pack.—Ashe oratories, Ltd., Victoria Street, London, V.1, are now issuing their Bandbox uid shampoo in transparent flex ble en- ope mounted in cutout printed card- rd folder. Messrs. Ashe state that the ying needs of the numerous overseas rkets to which the product is exported de it necessary to formulate a special stic to meet all requirements. The elope is moisture- and vapour-proof and hstands considerable pressure.

Stable Solution of Iron.—British Scher- , Ltd., 167 Great Portland Street, London, W.1, announce that they have found it possible to prepare a stable solution containing 2 per cent. elemental iron. The solution is suitable for intravenous injection and considerably less toxic than any similar preparation hitherto available. The product, Iviron, has a toxicity represented by an LD50 in mice of approximately 300 mgm. Fe per kilo of body-weight. Iviron is presented in ampoules of 5 c.c. and 10 c.c.

Purchase-tax Changes.—The British Drug Houses, Ltd., Graham Street, London, N.1, state that Calsimil in bottles of sixty, 500 and 1,000 tablets became subject to purchase tax on November 28. The dispensing packs of 500 and 1,000 tablets (supplied when specified) continue tax free.—Ciba Laboratories, Ltd., Horsham, Sussex, announce that, from November 24, the following Ciba products have been liable to purchase tax under a recent Customs and Excise ruling:—Crystules of Lutocyclin, Ovocyclin B, Perandren and Percorten. While both the hormones and the Nupercaine contained in the Crystules are individually exempt, they are included under separate heads in the Purchase Tax (No. 3) Order, 1949, and in combination are subject to tax.—Evans Medical Supplies, Ltd., Speke, Liverpool, 19, announce that their speciality Heprona became exempt from purchase tax on November 26. The new prices with tax exemption apply only to stocks supplied on or after that date; supplies on which tax has already been paid cannot under the existing purchase tax regulations be returned for credit. On November 28 the company's speciality Kalsolac (tins of thirty and sixty-eight) and bottles of 250 tablets became liable to tax. —H. R. Napp, Ltd, 3 Clements Inn, London, W.C.2, announce that Minaced'n is now subject to purchase tax.—Parke, Davis & Co., Staines Road, Hounslow, state that Metatone is now taxable.—Roche Products, Ltd., Welwyn Garden City, Herts, notify chemists that calcium-D-Redoxon tablets have been ruled by the Commissioners of Customs and Excise to be taxable at the rate of 33⅓ per cent.—Sharp & Dohme, Ltd., West Hill Laboratories, Hoddesdon, Herts, state that elixir Virvina became liable to purchase tax on November 25. Exemption from tax for the 16-oz. and 80-oz. sizes of the product has been granted only when they are supplied exclusively for dispensing purposes.

POISONS LAW 1935-49

18. Statutory Synonyms and Standards

Poisons law has accorded to B.P. and B.P.C. synonyms a statutory status which, by their conjunction with the provisions affecting non-disclosure of composition (including proportion of poison) have in effect also become standards for official preparations irrespective of whether those preparations are classed as poisons or deemed non-poisonous.

Infiltration of Official Titles

The extent of the infiltration of "official" titles into all branches of the drug trade, both wholesale and retail, is evident from the long list of changes (given in this series of articles) in "proper" names for poisons following the publication of the 1948 B.P. and the 1949 B.P.C., as well as the new National Formulary. At first sight, the number of such entries appears out of all proportion to the actual additions and deletions to the official monographs, but recent events have revealed unforeseen repercussions in the application of "official" titles. Thus the Portsmouth analyst objected in his 1948 report to the designation B.P. being applied to "tincture of iodine" of the 1932 and 1948 British Pharmacopœias. He added that it is "obviously undesirable" for prepacked stocks from two different formulas to be all labelled B.P., but omitted to point out that the new B.P. standard came into effect on the day of publication and consequently the technical offence was inevitable. The "chillie paste" case (*C. & D.*, October 1, p. 454. and November 5, p. 624) shows how it has come to be assumed that the B.P.C. formula automatically supersedes old-established and better-known P.F. formulas. The prosecution synchronised with the publication of the British Pharmaceutical Codex, 1949, which reinstates most of the ex-B.P. 1932 products (such as Easton's syrup) and regularises the position so far as these are concerned. The Codex also makes many "additions and modifications representative of modern practice" (they include the majority of the National Formulary preparations which are, in turn, predominant in the National Health Service). It is added that the ingredients in the formulas must comply with B.P. or B.P.C. requirements which, to judge by the ammonium bicarbonate dilemma, raise their own problems. Nevertheless, for good or ill, official names are conjoined with official standards medicines subject to the Pharmacy A and to the Food and Drugs Acts.

The readjustments of the drug tra after publication of new editions would a relatively simple matter if the B.P. a B.P.C. were the sole authorities, and prescribing physicians restricted to t statutory names the titles of medicines a ingredients they wrote. On prescriptic abbreviated names and popular synony have afforded invaluable assistance in t past, but the fact that the overwork prescribers of today have neither the ti nor the inclination to cope with chang in official nomenclature and compositi is an aspect overlooked by compilers official and unofficial dispensatories. T dispensing chemist, presented with National Health prescription—with a or drop dose—for "Tinct. iodii (mitte ʒi knows quite well that the local practition means the 1908 French Codex tinctu (liquor iodi simplex, B.P., 1932) and wou not dispense the official "tincture iodine" (liquor iodi mitis). The additi of directions (5 drops ex aq. t.d.s.) verif the assumption in the case of a pharmac further afield.

Vegetable Laxative Tablets

	P.F., 1929 (Vegetable laxative tablets)	N.F., 1933 (Tab. laxativ. co.)	B.P.C., 1934 (Tab. leptand. co.)	N.F., 1949 and B.P.C., 1949 (Tab. colocynth.
	gr.	gr.	gr.	gr.
Ext. coloc. co.	1	1	1	1
Ext. jalapæ	½	½	¼†	¼†
Podophyllin	¼	¼	¼	¼
Leptandrin ...	¼	¼	¼	—
Ext. hyoscy. .	¼	¼*	¼	¼
Ext. tarax. ...	¼	¼	¼	¼
Ol. menth. pip.	1/10	1/10	1/10	1/10

* Virid. '98. † Jalap resin.

"Vegetable laxative tablets" illustra the doubts and difficulties attendir changes of formula and nomenclature the period under review. The variations this preparation from the original formu in "Pharmaceutical Formulas, 1929" ha been as shown in the table above.

The sequence in National Health di pensing is even more confusing. From 193

1941, vegetable laxative tablets meant N.F. (and P.F.) formula. The National ar) Formularies, 1941, 1943 and 1947 ignated tab. cascara sagradæ co., a te different formula (containing nux nica, rhubarb, ginger and cascara sada) with podophyllin as the only indient common to both. The original etable laxative tablet then lapsed into tive obscurity as tab. leptandræ co., .C. The National Formulary, 1949 der the title "tabellæ colocynthidis et pæ compositæ") reverted to the oriel formula with the omission of the andrin. It became officially "B.P.C." the 1949 Codex, by the addition of getable laxative tablets" as a synonym for "tab. colocynth. et jalap. co." Confusion is worse confounded by the omission to notify the change in Latin title of vegetable laxative tablets in the list of "Alterations in Names." Presumably it is assumed that doctors and chemists look out for such unheralded modifications or are not interested in the therapeutic effects attending the change in composition. One wonders how many physicians and pharmacists are aware of the effect of N.F. and B.P.C. changes on such a simple preparation as "lotio plumbi cum opio," or of the important difference in the apparently identical formulas for "pulvis pro pedibus," N.F. and "pulvis pro pedibus," B.P.C.

MEDICAL ABSTRACTS

Radioactive Iodine in Thyroid Disors.—Mason and Oliver ("Lancet," Sepber 10, p. 456) find that the estimation the excretion of orally administered ioactive iodine in the urine is a valuable gnostic aid in thyroid diseases. A dose o microcuries was found sufficient and ecommended as a maximum.

Aureomycin in Urethritis.—Two cases gonococcal, and three out of four cases non-specific urethritis responded, when ted by Willcox ("British Medical Jour-" July 30, p. 257) with aureomycin ministered orally in capsules each coning 250 mgm.) One of the gonococcal one of the non-specific cases received otal of 2,000 mgm. of the drug, and other patients 1,000 mgm. over a iod of twenty-four to sixty hours. Baological investigations were carried out he department of pharmacology, School Pharmacy, University of London.

Self-administered Analgesia.—Examin- the advantages and disadvantages of -administered analgesia in labour, ard ("Lancet," October 29, p. 781) s that the usual nitrous-oxide mixture ess effective in relieving the pain of ine contraction than either a 75-25 cent. mixture of nitrous-oxide/oxygen a dilution of trichlorethylene 0.5 per t. in air, and that trichlorethylene/air better than nitrous-oxide/oxygen for a -moving labour and for nervous ients, but is unsuitable for prolonged inistration.

New Tumour Treatment.—A new hod of treatment of accessible tumours lescribed by Jolles ("Lancet," October 1, p. 603). With the use of a lead chessboard "sieve" containing 1-cm. holes, portions of tumour 1 cm. square are exposed to *x*-rays while other portions of similar area are protected so that important structures remain undamaged and contribute to repair. After a suitable period of treatment another chess-board sieve, in which the order of opaque and transparent areas is reversed, is used, the previously untreated areas being exposed and the already treated areas protected.

Lead Poisoning from Nipple Shields.—A case of lead poisoning in an infant as a result of the use, during lactation, of nipple shields containing the metal—a warning concerning which has been issued by the Ministry of Health (*C. & D.*, October 1, p. 455)—is described by Gordon and Whitehead in the "Lancet" (October 8, p. 647). The infant, a boy, had had convulsions in the two days prior to admission to hospital and regular bouts of vomiting during the previous fortnight. An assay of the amount of lead in the blood nine days after admission showed 1.9 microgm. of lead per gm. of blood, whereas in a control infant of the same age there was no lead. Routes by which the lead might have been absorbed by the infant are discussed by the authors. Rubbing the shields with the finger removed finely divided lead. The mother's milk, collecting inside the shield, might dissolve lead, especially after it had been acted upon by acid-producing bacteria. Absorption through mucosa of the nipple and re-excretion in the breast milk was also possible but had not been investigated.

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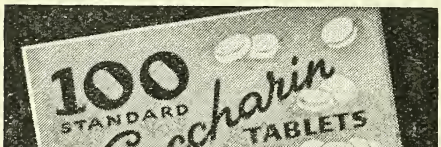

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L. CLII DECEMBER 3, 1949 No. 3641

aders and Price Maintenance

E Fair Prices Defence Committee, an anisation representing twelve trade ociations, including the National Pharceutical Union, the Proprietary Articles ade Association and the Photographic alers' Association, has issued a reply, in form of a sixteen-page memorandum, the recommendations of the Committee Resale Price Maintenance, whose rept was published on June 2 (*C. & D.*, e 11, pp. 782-86). The Defence Comtee's memorandum consists of an introtion and general review of the subject price maintenance; an analysis of the ort and recommendations of the Jacob nmittee; a summary of the main critins of the report, with some facts on e cutting, and a statement in defence the system of collective resale price intenance as being in the public interest. pies of the memorandum, price sixpence, y be obtained from the Fair Prices Dece Committee, 43 Gordon Square, Lon, W.C.1.

tire Trade Affected

The detailed objective analysis of the ort and recommendations of the Jacob nmittee should be studied by everyone aged in pharmacy and the drug and ed trades, for the proposals to outlaw established practice of collective resale e maintenance in respect of branded ds which, it has been authoritatively ed, the Government intends to imple-nt, affect the manufacturer and the olesaler equally as much as they do the retailer. When presenting the report to Parliament, the President of the Board of Trade (Mr. Harold Wilson) said:—

> "The Report, which is unanimous, reaches two main conclusions. First, no action should be taken which would deprive an individual producer of the power to prescribe and enforce resale prices for goods bearing his brand, providing this power is not used to obstruct the development of particular methods of trading, to impede distribution by another manufacturer of competitive goods, or to deprive the public of improvements in distribution. Secondly, steps should be taken to render illegal the application of sanctions which extend beyond the remedies open to an individual producer for any breach of resale price maintenance conditions."

The Defence Committee's comment on the recommendations quoted above is that "in practice, when price cutting takes place, the fact that a manufacturer can stop supplies unless a suitable undertaking is given is quite valueless because the price cutter can switch effortlessly to another firm's goods and so go through the whole range of the priced and branded lines he sells. Unless the manufacturers themselves band together in some form of collective arrangement, a retailer who is so minded can snap his fingers at each manufacturer's individual efforts." "This," states the traders' Committee, "makes the two basic recommendations of the report — the maintenance of individual and the abolition of collective resale price maintenance—absolutely irreconcilable."

Was there, in the public interest, a need for an inquiry into the practices of collective resale price maintenance? The traders' Defence Committee points out that "the absence of this demand is clearly shown by the Committee's inability to point to any definite lead in the evidence submitted from consumers' organisations that they thought their interests were adversely affected by the price maintenance systems now in operation." A pertinent reference to this point is made in paragraph 52 of the Jacob report, which states ". . . . . Concrete evidence of dissatisfaction with the system of resale price maintenance was presented to us on behalf of certain large-scale multiple retailers." On the following grounds:—

> That the Jacob Report contains a number of illogical, conflicting and inadequately explained statements;
>
> That the recommendations of the committee are against the weight of evidence;

That in any event price maintenance by the individual and abolition of collective resale price maintenance are administratively unworkable;

That controlled prices of branded goods are fixed independently and are competitive one with another, and that the profit margin on such goods is lower than on free-priced goods;

That the accepted system of collective bargaining as practised by trades unions to ensure minimum rates of pay for employees should be "outlawed" in respect of minimum resale price-maintenance schemes is unfair discrimination against traders;

That the removal of price protection will not bring about economy in distribution, experience showing that the directly opposite result will follow;

That there is no evidence that the price maintenance system has led to restriction of production or higher costs and prices; and

That examination of the facts in the traders' memorandum demonstrates that it is equally in the interests of the co-operative societies that the collective system of price maintenance should continue to operate;

the traders' Defence Committee claims that "the recommendations of the Jacob Committee should be subjected to the most searching examination before steps are taken to end a trade practice which possesses proved advantages for industry, the trader and the public." The issue is plain—"Stability and fair trading or cut prices and chaos" and in publishing its "reply" to the attack on price maintenance schemes the Fair Prices Defence Committee calls for the active support of all sections of pharmacy and the drug trade.

What's in a Synonym?

THE origin of statutory synonyms is to be found in the adoption of abbreviations of Latin titles in the index of the 1914 British Pharmacopœia. In poisons labelling B.P. and B.P.C. titles have become all-important, and are becoming recognised names for standard products. The primary object of the abbreviated title was to meet the interests of international uniformity, but in fact that has failed to materialise and has even been departed from in other developments. Appendix XVII of the 1914 B.P. provided a complete list of full and abbreviated Latin names. The preface stated that they "will probably be found useful to dispensers and others, especially those in foreign countries, who have to interpret the abbreviations occurring in the prescriptions of British practitioners." The 1932 B.P. included an "official abbreviation below the Latin title and stated in t "General Notices" that "for the conver ence of the prescriber and the dispens and the avoidance of misinterpretations, is desirable that, if an abbreviation of a Latin title is used, it should be the a breviation of the British Pharmacopœi Besides the old-time English titles, t more important, or more frequently use alternative names were added as synonym Both the synonyms and the English titl were stated to be official titles. The 19 B.P. Codex copied (without comment) t practice of appending an abbreviation i mediately below the full Latin title and including synonyms above the monograp

Rationalisation of names also became fective in the 1932 B.P. in conformity wi the International Agreement of 1930 f the unification of pharmacopœial formul for potent drugs. "Vinum" was bann on the ground that no potent drug shou be prepared in the form of a medicin wine. "Tinct. iodi mit." became "li iod. mit." in order that "a simple sol tion of chemical substances" should n be named "tincture." "Solutio arsenica seu Fowleri, I.A." and "Fowler's solution became official synonyms for liquor arser calis. Thus the way was well prepared f adopting B.P. and B.P.C. names (titles, a breviated names or synonyms) as t "name of the poison" in the new (193 poisons law when the name was not a ready included in the Poisons List. Pois Rule 17 of 1935, which provided the ba for labelling with the name of the poiso was soon found to require amplification cope with the ever-extending Poisons L in order to eliminate cumbersome chem cal names. In 1938, the original rule w replaced by one making B.P. or B.P.C. in titles alternative to the Poisons List term

The nomenclature of poisons has be further simplified by the publication approved names for synthetic drugs a the necessity to append the "proper name to the trade names used for t same article. Nevertheless it is unfortuna that the trend is away from easing t tasks of prescriber and dispenser. This due both to the continual changes ma as a result of making new Acts, Rules, Reg

ions and other official publications, and lack of co-ordination between the vari- s authorities. This week's article on isons law (p. 764) discloses the need for equate notice of changes in the composi- ns of medicines supplied to the public.

rthritis: A Swedish Treatment

PRELIMINARY report contributed to the Lancet" (November 26, p. 993) by physi- ns at Sahlgren's Hospital, Gothenburg, eden, holds out the promise of very nsiderable benefit in cases of rheumatoid hritis. Stimulated by recent researches pointing to the importance of hormones d related compounds (including Corti- ne) from the hypophysis and adrenal tex, they gave injections of 5 m. desoxycorticosterone acetate in chis oil, followed by injections of 1 gm. ascorbic acid in aqueous solution, to e patients. All the patients reacted in same way. "Five minutes after the ections the articular pain began to ninish and the articular mobility began increase. Fifteen to thirty minutes later, pain had practically disappeared . . . some cases the improvement was ounding." While the effect wore off er two to six hours, "it seems as ugh it lasts longer with each further ection."

As mentioned, the report is "prelimin- ." No doses have yet been worked out, d the fact that no side-effects have been erved is not of any great significance in w of the small number of cases so far ated. Nevertheless the results are so couraging that it is to be hoped workers this country will supplement the con- ued researches which the Swedish hors have announced their intention of rying out.

istamine Antagonists Reviewed

ORK on histamine antagonists was pio- red in France in the latter part of the t decade, as Dr. Adamson pointed out a lecture reported on p. 770. Later re- rch has produced a number of important gs and has spread to many parts of the ld. It is a section of medical effort in ich British chemists and pharmacolo- s are playing a leading part, and the lecturer has done a useful service, therefore, in summarising the knowledge from the chemical point of view.

Where compounds do not exhibit a single property, the task of definition and classification becomes difficult. It is to be noted, for example, that ephedrine is not regarded as an antihistamine for, though its effect is opposite to that of histamine, it does not hinder the action of that substance. Workers in the field usually describe as antihistamines compounds that have no great physiological effect by themselves in small doses, but block most of the well-known effects of histamine. At present, different workers are still using different terms to describe the compounds in this class, but the word "antihistamine" has at least the advantage of shortness.

Medicine may be on the threshold of great discoveries in the antihistamine field, and already the prospect extends to eliminating side reactions and developing drugs for use in asthma. In addition, drugs in the group have been suggested as a means of aborting the common cold. Their value must await further trials,

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A Fresh Start.—I have recently taken over a ward in a London hospital and have been struck by the extent to which patients are subjected to investigation and treatment. One woman of sixty-nine, suffering from long-standing postprandial epigastric pain and mild hypertension, having exhausted the local facilities for investigation, was transferred to another hospital for gastroscopy. On her return I asked her how she was feeling. Wreathed in smiles, she replied, "Much better, thank you." I then asked the nurse what treatment she had been having. On hearing the following lists of drugs I was not surprised that the old lady was feeling better without them.

Tab. phenobarbitone gr. ½ b.i.d.
Thyroid extract gr. ½ b.i.d.
Dienœstrol 4 mgm. b.i.d.
Acid hydrochlor. dil. min. 30 t.i.d.
Penicillin 300,000 units 3-hrly.
Mist. pot. cit. 1 oz. t.i.d.
Mist. pot. brom. 1 oz. nocte.
Charcoal biscuits as required.

Three other drugs had been crossed off the list during her short stay in hospital. I requested that all the others might be crossed off so that we might start afresh.—*Peripatetic Correspondent in the "Lancet."*

ANTIHISTAMINES AND RELATED DRUGS

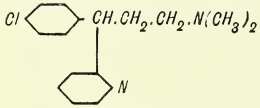
A review by Dr. D. W. Adamson at a meeting of the Fine Chemicals Group, Society of Chemical Industry

Mr. D. W. Adamson, B.Sc., Ph.D., F.R.I.C. (Wellcome Research Laboratories, Beckenham, Kent), lectured on "The Chemistry of Antihistamines and Related Drugs" to the ninth meeting of the fine chemicals group of the Society of Chemical Industry, at King's College, London, on November 11. Below is an abstract of the address.

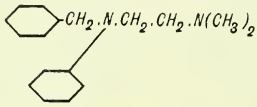
Theoretical Considerations

Dale and Laidlaw showed in 1910 that when histamine was injected in small doses into animals, it caused contraction of smooth muscle, dilatation of the capillaries, a fall in blood pressure and increased secretion of certain glands. As these effects were similar to those encountered in anaphylactic shock in animals Dale suggested that histamine played an important part in this reaction, and subsequent investigations have provided evidence in support of this hypothesis. It is probable that histamine plays a similar dominant part in human allergic conditions, though conclusive evidence is lacking. In a sensitised person the tissues contain specific antibodies formed in response to a previous exposure to the allergic reagent or antigen. At a subsequent exposure the antigen combines with the antibody in the tissues and one of the effects of the interaction appears to be the liberation of histamine from the cells. The liberated histamine then produces its powerful effects similar to those resulting from an injection of it. Though the effect of an injection varies from species to species (the predominant effect in guinea pigs being constriction of the bronchioles which may lead to death from asthmatic attack, while in the dog death is due to a fall in blood pressure), in man the released histamine causes dilatation of the capillaries or spasm of plain muscle leading to shock or allergic manifestations such as urticaria, hay fever or asthma. It is the purpose of the antihistamine drugs to prevent liberated histamine from exerting its effects.

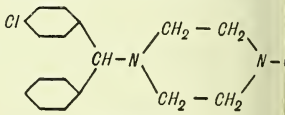
Bovet in France, in 1937, first show that certain ethers which antagonis adrenaline also had some action agai histamine. Staub, in 1939, showed t certain derivatives of ethylene diami behaved similarly. Unfortunately the m active compounds of Bovet and of Sta were too toxic for human use and it v not until 1942 that Halpern, examini ethylene diamine derivatives synthesis by Mosnier, of Rhône-Poulenc, discove Antergan, which clinically was found to effective in relieving several types of all gic conditions. In 1944 Bovet introduc the potent and more specific antihistam Neoantergan (Anthisan). Concurrent w in U.S.A. led to the introduction there 1945 of Benadryl, the dimethylaminoet ether of benzhydryl followed by Pyrib zamine, an analogue of Neoantergan la ing its methoxyl group. Although B adryl and Pyribenzamine are somew inferior pharmacologically to Neoanterg there is no doubt of their clinical val and their introduction stimulated mu valuable pharmacological and clinical search. More recently, Halpern introduc a new series of phenothiazines of wh Phenergan appears to be even more eff tive than Neoantergan.



Chloro-Trimeton.



Antergan.



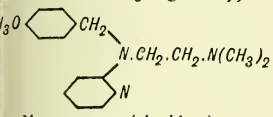
Histantin.

A recent introduction in U.S.A., chlo Trimeton, is based on *n*-propylamine, contrast to the foregoing, which are derivatives of ethylene diamine.

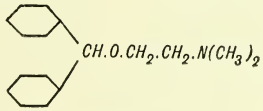
Twenty Useful Compounds

Although in the past four years so thousands of potential antihistamines ha been prepared and tested in various ind trial laboratories, some twenty only ha been offered for medical use. While t antihistamines fail to affect the basic ca of allergic conditions, and are palliat and not curative, they produce drama relief in allergic urticaria; are effect in hay fever and in rhinitis; and ha value in reducing itching in pruritis and the treatment of allergic reactions to dru and to serum. There have been repo

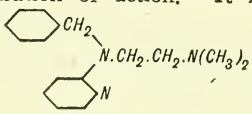
beneficial effects in many other maladies, ., Parkinsonism, motion-sickness, nausea d sickness of pregnancy, burns and in-



Neoantergan (Anthisan)



Benadryl.

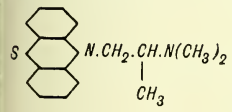


Pyribenzamine.

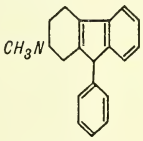
t bites. Claims were advanced recently U.S.A. of the effectiveness of antihis-nines in abating the common cold, ough full appraisal of these claims must ait the results of large-scale controlled ical trials. The biggest disappoint-nt in the antihistamine field has been the treatment of asthma, where the use-ness of the present drugs is confined to d attacks, which must moreover, be ated at an early stage.

thods of Testing

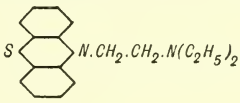
The *in vivo* method of testing antihista-nes depends upon determining the ount of drug required to protect guinea-s against asthma induced by inhalation a histamine spray. In the *in vitro* thod, an isolated strip of guinea-pig's estine is caused to contract by treatment h histamine and the amount of drug uired to relax the spasm is determined. Clinical assessment is more difficult, for nature of the diseases precludes pre-determination of effectiveness. In nparative trials the differences in effec-eness between the different drugs are as great as would be expected from the ults obtained in the laboratory with erimental animals. Some properties l in particular the incidence of side-



Phenergan.



Thephorin.



Diparcol.

ects which are not revealed by labora-y tests, assume great importance in the rapeutic application of the drugs. All antihistamines in current use cause e unwanted side-effect such as seda-n, drowsiness or nausea in a proportion the patients treated. In the final analy-it is not the absolute potency of the g which counts but the effectiveness doses which produce no more than an eptable minimum of unwanted side-ects. Since the symptoms of the disease return when the action of the antihista-mines has ceased, another important clini-cal factor is duration of action. It is probable that future progress will be meas-ured in terms of lack of side-effects and persistence of action.

Other Properties

Benadryl and to a smaller extent Neo-antergan have spasmolytic properties, that is, they relieve spasm of the intestine in-duced by acetylcholine; Neoantergan is also three times as powerful as procaine as a local anæsthetic; pethidine has anal-gesic, local anæsthetic, antihistamine and anti-acetylcholine properties. The com-mon properties of these drugs suggest a common element in all these actions and Burn has postulated that acetylcholine might be the mediator in their transmis-sion. A postulation that there might be a relationship between the potency of a drug as an antihistamine and its potency as a local anæsthetic is found, on exam-ination of different series, to be untenable.

It is now generally accepted that the antihistamines act by competitive antag-onism, that is, they block the site of action of histamine. It is natural therefore, to note any structural features common to the drugs and the substances they antag-onise. Though Gaddum has pointed out that Neoantergan, for example, contains the skeleton of the minimum atonic group-ing believed essential for histamine action, the two essential parts being separated by a substituted nitrogen atom, such a relation-ship does not apply to some of the other antihistamines.

The dimethylamino group seems specific. In the phenothiazine series the replacement of the dimethylamino group of Phenergan by the diethylamino group gives the sub-stance known as Diparcol, which possesses different properties. It has a feeble anti-histamine effect but is an acetylcholine

antagonist and is used in the treatment of Parkinsonism. Replacement of the sulphur atom by oxygen removes activity completely. Certain derivatives of piperazine were first shown by Cerkovnikov to possess antihistamine properties and benzhydryl derivatives of N-methylpiperazine have recently been introduced, the most effective in this series, the product Histantin, being the *p*-chloro compound, which is relatively non-toxic and lacking in side-effects. It has a relatively persistent action.

On grounds of potency of side-effects Benadryl would not now be regarded as very promising but it is a very versatile drug and has been used to relieve a wide variety of complaints. It seems possible that in some conditions its pharmacological side-effects, such as its spasmolytic or local anæsthetic actions, contribute to its therapeutic usefulness. Like most antihistamines however, it induces drowsiness and a feeling of fatigue and attempts to overcome this defect have been made by combining it with compounds having a central stimulant action; thus Dramamine is the stable salt of Benadryl base and 8-chlorotheophylline. Thephorin, which has many structural features different from most other antihistamines, is a moderately potent antihistamine with strong spasmolytic and anæsthetic activity. Of the patients treated with Thephorin, a high percentage complained not of drowsiness but, on the contrary, of insomnia.

Discussion

In the discussion which followed, Dr. Adamson told Dr. Jones that studies had not yet progressed sufficiently to throw light on how antihistamines broke down in the body. By the use of labelled atoms in the molecule, the progress of Benadryl in the body was being studied. To Dr. Kendall he said that thio-ethers which had been made had little antihistaminic activity, and to Dr. Phillips that ephedrine and methyl-amphetamine were not regarded as antihistamines. They had an opposite action to histamine without affecting its own action.

Replying to a question by Dr. Downer, Dr. Adamson said that though the amidone series of analgesics bore some structural relationships with certain antihistamines, their antihistaminic activity was of a low order; the results might well be attributable to some non-specific effect. Dr. Reimill was informed that there had been only one recorded case of agranulocytosis.

NEW BOOKS

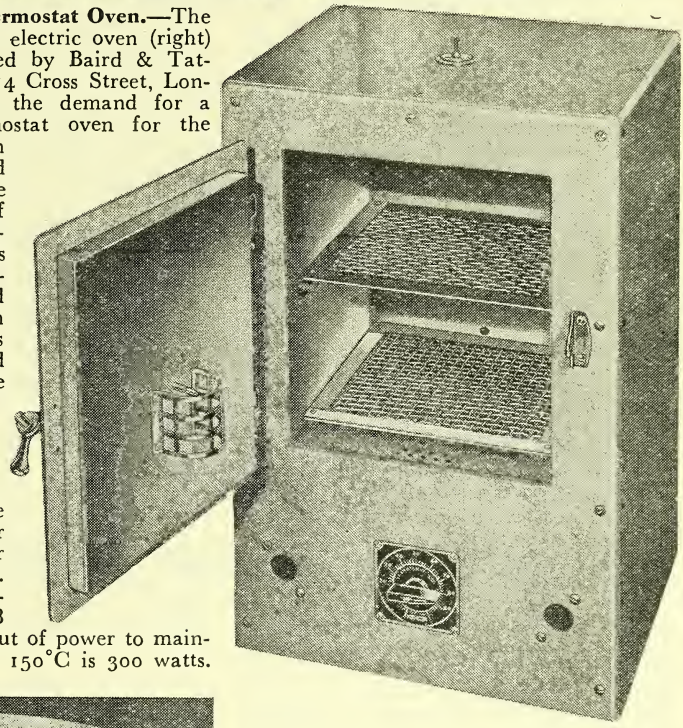
Solvants et Plastifiants.—H. Gui 8½ x 5½ in. Pp. 402. 1280 fr. Dunod, Rue Bonaparte 4, Paris. Claiming to the first modern French book dealing w solvents and plasticisers, the work, writ by a chemical engineer, deals in turn w the general properties and uses of solve plasticisers and raw materials of the inc try. It is notable for its wealth of tab tions, among which are given flash po of explosive mixtures of vapours, etc., p sical properties of some 170 solvents plasticisers, and solubilities of some natural and synthetic resins.

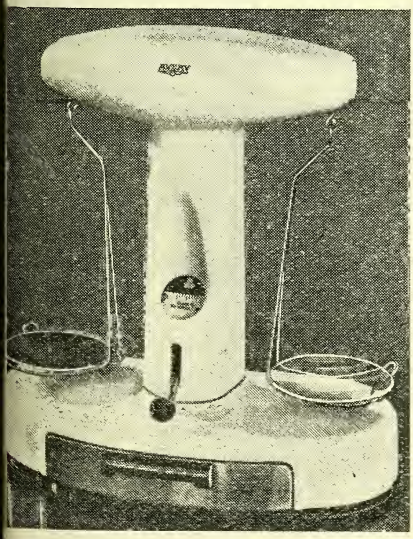
British West Africa.—Aubrey S. Sta O.B.E. 9½ in. x 6 in. Pp. 57. 1s. For the Commercial relations and Exp Department, Board of Trade, by H. Stationery Office. The report is prima intended to encourage British exporters give further study to Nigeria, Gold Co Sierra Leone and Gambia as markets. 1938 Nigeria bought proprietary medici valued at £105,408 (of which the Uni Kingdom supplied £85,032); by 1947 value had increased to £536,436 (U £523,500). Imports of medicines drugs into the Gold Coast in 1938 w valued at £91,493 (U.K. nearly £70,oc and in 1947 at £345,486 (U.K. £326,1 The West African colonies produce a nu ber of crude drugs and spices, and p duction figures are given for several, cluding ginger, kola nuts and peppers.

Suppression of Weeds by Fertilis and Chemicals.—H. C. Long, B. (Agric.), and Winifred E. Brenchl O.B.E., D.Sc. 8½ x 5½ in. Pp. 96. 7s. Crosby Lockwood & Son, Ltd., 39 Th loe Street, London, S.W.7. Economics dictated abandonment of much of the ha labour formerly employed on eradicati weeds on farms and has brought about corresponding concentration of attenti on chemical methods of keeping them der control. In this book the auth present information (otherwise only to found scattered throughout numerc periodicals and publications) on control soil acidity, contact weed killers, and co pounds with specific toxic effects. Ref ences are provided for those who wish consult the original papers, but primar the aim of the authors has been to p sent the facts necessary to enable farm to take practical chemical steps to cont weeds in crops. The work is plentifu illustrated photographically and in line.

INSTRUMENTS AND APPARATUS

General Utility Thermostat Oven.—The T.L. Bara mark III electric oven (right) been manufactured by Baird & Tat-k (London), Ltd., 14 Cross Street, Lon-n, E.C.1, to meet the demand for a eral utility thermostat oven for the eds of workers in armaceutical and er laboratories. The en has a range of -220°C and an ac-racy of ±1°C. Its e and door of Sola-e panels are screwed a welded angle-iron me. All corners d rounded and ter surfaces are sh. The oven amber is of stain-s steel, with novable shelf. ontrol lights licate whether the en is switched on or ether the regulator ints are on or off. e internal dimen-ns are 10 x 9 x 8 , and the mean input of power to main-n a temperature of 150°C is 300 watts.





A Lead in Industrial Design.—Selected frontispiece for annual publication "Designs in Britain" of the Society of Industrial Arts, the Avery 2028 dispensing scale, manufactured by W. & T. Avery, Ltd., Soho Foundry, Birmingham, 40, which weighs quantities up to 2 oz., has a scale that is turned by 1/2400 oz. (gr. 0.2). A circular, sloping chart graduated with four divisions either side of a central O, and positioned in the same plane of vision as the pans, facilitates accurate reading, and a device is incorporated that maintains the scale in the weighing position, thus freeing both hands for addition of weights, etc. The line-to-line, downward pointing indicator points to the edge of the chart instead of travelling across it, ensuring that no shadow interferes with the reading. The entire scale is encased in a housing of white porcelain enamel. Accessories comprise two complete sets of apothecary and metric weights and a pair of tweezers, accommodated in a plastic drawer in the base of the instrument.

ULSTER CHEMISTS' ASSOCIATION

At the annual meeting of the Ulster Chemists' Association in Belfast on November 23, Miss C. E. Culbert (president), said that membership had again increased and now included almost the whole of the drug trade in Northern Ireland. The rota scheme for Belfast had had to be held over until publication of the Early Closing Order, and had now been taken over by the General Health Services Board for enforcement. Similar arrangements had been made in other districts, and it was hoped that the rest of the towns would fall into line. It was also hoped to publish a new price list shortly.

Surcharge Problems

The President commented that, while pharmacists agreed in principle that some economies in the Health Service were urgently necessary, they could foresee the difficulties the shilling surcharge on Health Service prescriptions would raise with the public and they were anxiously awaiting more detailed information from the Minister of Health. "It is a great pity," she continued, "that such a far-reaching and complete piece of legislation as the Health Services Act had been put through without more careful consideration of practical details, which could have been supplied by pharmacists alive to the reactions of the public. If accepted, pharmacists' recommendations would no doubt have saved the necessity for so many alterations, of which the surcharge proposal is only one." Miss Culbert thanked the Committee and Miss A. E. Strachan (secretary) for their help during her year of office and expressed the hope that Mr. E. A. Richey (the honorary secretary) would soon recover from his illness.

The annual report stating that during the year 2,525 price changes and 160 notices of interest had been sent to members. Early in the year an unsuccessful effort had been made to draw up a scheme for the distribution of infant foods, etc., through chemists instead of welfare clinics. The report also recorded that interest in the Chemists Federation was maintained and that various cases of leakages had been investigated. Most of these had been traced to disloyalty on the part of members themselves, and there was still ground for criticism regarding window displays of eligible non-C.F. proprietaries.

The financial statement, presented by Mr. W. J. Rankin (treasurer), showed a balance of £128 and assets of £1,547 capital account. The report was adop on the motion of Messrs. Rankin and Wellwood, and the Executive Comm tee's report on the motion of Mess R. A. E. Simmonds and J. McKenna. Rankin moved and Mr. W. A. Be seconded that the basic annual subsc tion should be set at £2 2s. and for bra shops and registered druggists at 21s., b amounts being inclusive of the annual s scription to the Chemists Federation. was approved. The seven retiring m bers of the Executive Committee (M L. M. Forrest, Messrs. J. C. Acheson, H Anderson, J. Caldwell, H. P. Cros W. S. Hall and C. A. Quinn) were clared re-elected. A vote of thanks passed to Miss Culbert on the prop of Mr. J. A. Brown, seconded by McKenna, and the officials were than by Messrs. W. H. Boyd and M. H derson.

Levy May Not Stay at 1s.

In a discussion that followed Mr. M Kenna said there was no guarantee t the charge on Health Service prescripti would remain at 1s.; he feared that might be increased. It was pointed that some chemists were already mak the charge in error. Complaint was a made that certain chemists were not stri observing the 6.30 p.m. closing time, that some in the centre of Belfast w providing a service on what should b half-holiday. The practice of "wait in" for likely callers was also criticis

Watch for Offenders

The Secretary stated that chem who observed Friday as their "late nigh must close at 6.30 p.m. on Saturday. C poration inspectors were keeping cl watch on any infringement of the re lation. It was also commented upon t someone was required to act as doorm while the late service was in operati and the hope was expressed that th might be a relaxation on that point. So criticism was made of the Pharmaceuti Society's circular on "unethical" condu The President of the Society (M P. R. W. Shinner), gave instances whi he said, called for censure. Mr. J. Boy suggested that, as the number of Hea Service prescriptions might fall owing the surcharge, a higher dispensing might be asked for.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

MEETING of the Council of the Pharmaıtical Society of Northern Ireland was d in Belfast on November 18, the presint (Mr. P. R. W. Shinner), in the chair. so present were Messrs. H. W. Gamble ce-president), W. H. Boyd (treasurer), Abernethy, S. E. Campbell, H. H. Cow-, H. P. Crossin, W. P. Ewart, H. F. bore, J. McGregor, J. Irwin, F. R. bore, Professor E. B. C. Mayrs, and Dr. D. Heazley. Apologies for absence re received from Messrs. W. C. Tate d J. McDowell.

THE PRESIDENT said it was proposed to m a Northern Ireland Branch of the tional Association of Opticians and to d the Association's final examinations Belfast. The Pharmaceutical Society d been asked if it would place its prems at the disposal of the branch for hold- an initial meeting and the examinans. On the motion of Mr. Campbell, onded by Mr. Boyd, it was agreed to nt these facilities.

Certificates of apprenticeship were granted to George A. Duncan, William D. McClements, John L. McCormack, Charles E. Nobbs, Joseph E. Quinn, Patrick A. Rooney, and Marie A. Ritchie.

The following members were appointed to attend the examinations:—December 12: Messrs. Shinner and Abernethy; December 13: Messrs. Crossin and Cowzer; December 14: Messrs. Boyd and McGregor; December 15: Mr. H. F. Moore and Dr. Heazley; December 16: Messrs. Shinner and Gamble.

It was agreed to place the seal of the Society on the certificate of qualification of Mr. Noel Patrick McGivern.

MR. EWART suggested that the Council should consider the erection of a plaque in the Council room recording the names of those who had reached Gold Medal standard in the Final Qualifying examination. It was agreed on his motion, which was seconded by MR. MCGREGOR, that that course should be adopted.

NORTHERN IRELAND PHARMACEUTICAL COMMITTEE

E annual report of the Northern Ire-d Local Pharmaceutical Committee, ich has been circulated, included a ute to Mr. Robert Gibson who recently igned from the chairmanship of the mmittee. "Possessed of unusual tact, wisn and foresight," it reads, "as president the Ulster Chemists' Association 1947, irman of the Pharmaceutical Negotiag Committee, and of the Local Pharmaıtical Committee, he successfully permed a stupendous task—that of leading armacy in Northern Ireland through ee of the most difficult years in its tory. He has given unstintingly of his e and thought to the cause of the prosion, and the Committee are happy to ce on record this expression of their eem of Mr. Gibson."

airman and Committee Members

The new *Chairman* is Mr. Herbert W. mble, Belfast (vice-president, Pharmaıtical Society of Northern Ireland). her changes on the Committee have n the co-option of Messrs. W. S. Hall, rne, J. D. McCafferty, Londonderry, d T. G. Rutledge, Omagh, in place of ssrs. E. A. Poots, S. E. Campbell, and Gamble who have resigned. The report tes that the levy introduced in December 1948, on the basis of threepence in the £ for the first month and one penny in the £ for the following two months was again reduced in April, and is now one penny in the £ every fourth month. It was proposed to deduct the penny levy from the February 1950 payment and again, if necessary, from the August 1950 payment. Receipts to July 5, 1949, were £1,724.

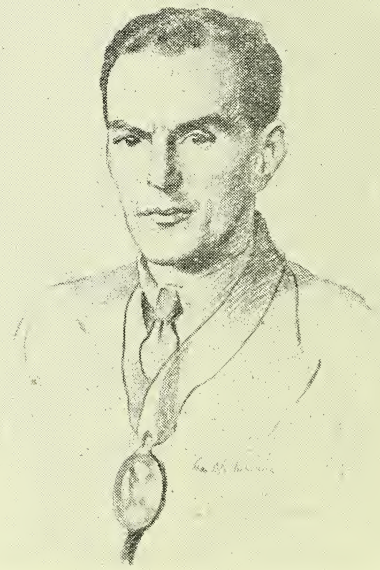
During the year 3,790,957 prescriptions were dispensed at a cost of £863,913 which included full payment for the months July to November, 1948, and an interim payment for December 1948 to June 1949. The Negotiating Committee held fifty meetings, interviewed the Ministry of Health fifteen times, and held four general meetings. It had repeatedly pressed for the restoration of the duplicate form, but the Ministry of Supply would not release the paper for the purpose. Other matters not yet settled were the fitting fee for appliances and the increased fee for eye-drops. Under the agreement on the abridged method of pricing the whole matter was to be reviewed in November. The desire is to return to full pricing at the earliest possible moment. The Committee have informed the Ministry of Health and Local Government of their opposition to the 1s. charge to patients receiving prescriptions.

A PHARMACY IN SWITZERLAND

By P. C. Cahill, M.P.S.I.

WHILE on holiday recently in a small town on Lake Lucerne I was fortunate in meeting the local chemist (a Doctor of Pharmacy incidentally) who invited me on a tour of inspection of his pharmacy. My host supplied a fund of information regarding the operation of pharmacy in Switzerland. The shop-front, constructed of some exquisite wood, gave prominence to a carboy and two brass mortars and pestles. In the centre of the window was a display of a pharmaceutical product manufactured by the proprietor, on the left a small display of some herbal preparation and on the other side a few cartons of Andrews liver salt with a small card.

Inside the pharmacy were hundreds of shop-rounds all beautifully polished. Along one wall were up to one hundred blue glass rounds for British Pharmacopœia drugs. The second wall had about an equal number of brown and green coloured rounds for Swiss and French drugs. Underneath the shop rounds were hundreds of drawers containing dried drugs, the vast majority bearing familiar names. All the fittings were made of beautiful woods, and the shop itself was spotlessly clean (nothing unusual in Switzerland). The counter featured drugs manufactured by the chemist himself, with one or two of the better-known English proprietaries. To the right of the counter was an attractive showcase featuring American and British cosmetics. Off the pharmacy were a number of fairly large rooms; the first, used as a drug store, was fitted with four or five racks of shelving holding hundreds of winchesters. estimated that the stock of drugs car by my host would be four to five ti that of the average Irish chemist. dispensing room was beautifully fitted a of course, spotlessly clean. A full-t pharmacist was employed in the dep ment, and the work included sterilisatio containers, ampo filling, tube-fill urine analysis the making large quantities suppositories pessaries. In room I notice large jar of lee imported fr Austria. These host informed were in fair mand.



Patrick C. Cahill, from a drawing by Sean O'Sullivan, R.H.A.

The second ro was devoted the manufactur a variety of dr and specialities. this room I served a uni method of steril tion for water other liquids; modern and sim percolator; and electric ointm mill capable producing qua ties up to 1 c The third ro was used as a st for patents, c tons, labels, etc. All labels required in lo specialities were home-printed and very v they looked. A staff of four or five was e ployed in the pharmacy and it was obvi that as much as possible was made on premises. The establishment, like all Sv pharmacies, had a dignified professio atmosphere, and it came as something a shock to see a small side-window c taining brandy, rum, gin, vermouth, c

Switzerland has both drug stores a pharmacies. The would-be druggist ser an apprenticeship of four years to eithe druggist or chemist, does lectures on c day per week, and has to pass one exa ination. Some druggists, I observed, c

d themselves to drugs and "patents" quite a number appeared to deal in wide range of commodities including it and vegetables. The chemist-student dying for the Apoteker qualification nds his first year at a university, fol-ed by eighteen months' apprenticeship a shop. Next comes one year as assis-t in a shop with a further two to -and-a-half years at the university. ny Swiss chemists sit for a Doctorate ch demands a further two years at a versity. That involves spending a mini-m of six years before qualifying or ut eight years to become a Doctor oteker.

CORRESPONDENCE

Present Source of Supply

IR,—According to a note in the No-nber 26 issue of the *C. & D.* (p. 719), Glasgow Pharmaceutical Committee notified local chemists that they may ain homœopathic medicines from Ash- & Parsons. We have written to the etary of the Committee pointing out t we took over the homœopathic busi-s of Messrs. Ashton & Parsons some six rs ago and that, though orders and in-ies are kindly sent on to us delays ur thereby.

ondon, N.W.6. LEATH & ROSS, LTD.

The Shilling Levy

IR,—At a time when the only language government seems to understand is e, the Pharmaceutical Societies of thern Ireland and Great Britain should e backed their opposition to the shilling on prescriptions scheme with a threat orce. They should have made it clear , if the scheme were enforced, they ld demand for contracting chemists a ner dispensing fee in compensation for considerable loss of business which t follow, otherwise they would call the resignation of all chemists in the me.

rmagh JAMES BOYLE

IR,—It is really surprising that there so few letters protesting against this ing levy. Of course, so little informa-has been divulged about it that it ally difficult for the rank and file to ress their opinions. It is gratifying that Pharmaceutical Society and National rmaceutical Union have so strongly ressed their disapproval on behalf of nists. I was much surprised to read a letter by Mr. G. J. Lindsay in *C. & D.* (November 26, p. 744) objecting to the Society and N.P.U. speaking on behalf of "chemists as a whole." The time is coming—and possibly soon—when chemists must assert themselves and demand their rights. We in Scotland went into the service with a provisionally signed agreement. So far as I am aware we have not yet got a settled fee. The sooner that is settled satisfactorily the better for everyone.

NEMO ME IMPUNE LACESSIT.

ANTIHISTAMINES IN THE COMMON COLD

THE results of treating with five antihistamine drugs 572 patients suffering from the common cold are given by Brewster, a captain in the Medical Corps, United States Navy, in the "U.S. Naval Medical Bulletin" (January-February, p. 1). The tests were made in the period October 1947 to May 1948 following previous favourable observations on the use of Benadryl in the common cold. At the same time, seventy-seven patients acting as controls received codeine sulphate and papaverine hydrochloride. The writer found that all symptoms of cold were aborted in nineteen (90 per cent.) of the twenty-one patients in whom treatment with antihistamine drugs was begun within the first hour after the onset of symptoms, and in forty-eight (87 per cent.) of fifty-five patients treated within two hours of onset. 116 (74 per cent.) of 156 patients who received treatment within six hours, and 165 (70 per cent.) of 234 patients who received treatment within twelve hours of onset were also cured, and in the majority of patients who received the antihistaminics too late to arrest the cold, its course was of short duration (three to five days). The drugs used were Pyribenzamine, Thenylene, Neoantergan, Histadyl and Benadryl, in doses of 50 mgm. Side reactions noted were drowsiness and dryness of the mouth, sometimes headache and dizziness, and occasionally nausea. To combat the sedative effect, amphetamine sulphate or dextro-amphetamine were administered. Brewster believes that the initial phase of the common cold is an allergic reaction and that the antihistaminic drugs, by interrupting this reaction, can abort the common cold when treatment is begun in the initial phase. He says: "The abortion of the common cold is so truly unique it must be experienced to be appreciated."

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale qu ti-ties of standard quality. Prices of crude drugs and essential oils vary as to brand or g e.

28 Essex Street, W.C.2, Nov. 30

ACTIVITY in PHARMACEUTICAL and FINE CHEMICALS has been brisk, with a good demand for export and more home-trade buyers entering the market. Owing to rising costs of production, PHENOLPHTHALEIN is dearer by ninepence per lb., while in certain directions PHENYLACETIC ACID has advanced by sixpence per lb. It is learned that, as from December 1, BISMUTH SALTS will be increased in price. The previous rise in bismuth salts, which followed shortly after sterling devaluation, only partially covered the increase in the cost of metal. Business in CRUDE DRUGS has been rather slow. Good quality Kobé AGAR continues in short supply on the spot and the market is firmer. Cape ALOES, which has been somewhat difficult to procure from origin, has advanced slightly on the spot. CANADA BALSAM is an easy market. BALSAM TOLU is difficult to find on the spot and has commanded high prices, while no supplies are offered from origin. Almondy Sumatra block BENZOIN is not plentiful and the spot market is firm. CASCARA SAGRADA is not being offered on the spot, but inquiry for this article has been lacking. ERGOT is tending firmer. Supplies of IPECACUANHA on the spot are small; it is understood that no import licences will be granted for Central American root until the New Year. There are no offers of Chinese RHUBARB. SENEGA is a quiet market. There are still no supplies of green hand-picked Tinnevelly SENNA PODS. STROPHANTHUS (Kombé) has been in good inquiry but the market cannot offer. ESSENTIAL OILS have attracted few buyers. CITRONELLA and LEMONGRASS on the spot are quiet and easier. EUCALYPTUS is a firmer market; no forward offers are reported. PEPPERMINT is in good inquiry: it is understood that supplies of Italian "Mitcham" oil will be coming forward shortly. Mysore SANDALWOOD is dearer. A further oil—BERGAMOT—has been removed from the Essential Oil Control distribution scheme. Licences, however, will still be required for the importation of this oil.

U.S. Drug and Chemical Report

New York, November 25

COMPETITIVE conditions in STREPTOMYCIN have been developing but at present there are few signs that manufacturers will reduce prices. Brazilian MENTHOL continues to ease and spot quotations are now at $10.70 per lb., but it is understood that this price may be shaded to some extent; the future level of prices will depend largely on the volume of offerings from China. COCOA BUTTER has been further advanced in price and quotations are now at 54-54½ cents per lb. against 50-52 ce week ago. MERCURY prices are uncha although there are indications that Spa Italian metal may probably be br into line with that from other sources extended period of fine weather is affe the demand for a number of CRUDE D although the overall situation in markets remains firm. A number of ar have advanced in price during the week, among them RHUBARB, BAL PERU and TOLU, and GALANGAL BLACK PEPPER is dearer following announcement of the new export tax posed by India. The markets for ESSEN OILS continue firm. EUCALYPTUS OIL strong market and supplies are lim Increases are reported in the price BOIS DE ROSE and PATCHOULI; suppli the latter oil are low and there is a demand. The higher values for PEPPER are expected to be maintained. Floo Guatamala and Haiti are expected t duce supplies of CITRONELLA from sources.

Pharmaceutical Chemicals

ACETANILIDE.—A firmer market. Cry are quoted at from 2s. 1d. to 2s. 6d. lb.: powder is from 2s. 2d. to 2s. 7d. pe

BARIUM SULPHATE. (*x*-ray). — Price unchanged, 1 cwt., 1s. 3d. per lb. Sche rates per lb. (containers in brackets). quantities between 28 lb. and 1 cwt. as follows: 1s. 8d. (1-lb.), 1s. 7d. (2 1s. 6½d. (4-lb.), 1s. 5½d. (7-lb.), 1s. (14-lb.), 1s. 4d. (28-lb.).

BISMUTH SALTS.—Prices have been creased from December 1 to allow higher cost of metal following deva tion of sterling. CARBONATE. — Hi prices represent a rise of 1s. 11d. pe on former rates. 1-cwt. lots, 17s. (28-lb. containers); 18s. 0½d. (7-l 18s. 3d. (1-lb.); smaller quantities scheduled up to 21s. 4½d. per lb., acc ing to pack. CITRATE is 3s. 7d. per SALICYLATE, 2s. 9d.; SUBNITRATE, 2s. and SUBGALLATE, 6d. less than carbona

BORAX. — Prices per ton for pharm pœial quality are as follows: Granu £45; crystal, £47; powder, £48; pow extra-fine, £49, net, delivered. Comme grades are £9 per ton less.

BORIC ACID.—Prices per ton for phar copœial quality are as follows: Granu £76 10s.; crystal, £82; powder, £79 1 extra-fine, £81 10s., net, delivered. C mercial grades are £12 per ton less.

CAFFEINE.—Makers' prices per lb. a ALKALOID, anhydrous, from 33s. 6d. 38s. 6d., and B.P., from 31s. 6d.

3s. 6d.; CITRATE, B.P.C., from 18s. 6d. 23s. 6d.; SODIUM BENZOATE, B.P., from 1s. to 26s.; SODIUM SALICYLATE, B.P.C., om 21s. 9d. to 26s. 9d.; SODIUM IODIDE, rm at from 28s. to 32s. Assorted orders ay be booked with the exception of caffine and sodium iodide (theobromine alkaid and salts may be included). Coniners: 14-lb. and 28-lb. tins free; other ackages charged extra. Carriage paid on rders of £20 value and over.

CINCHOPHEN.—Steady. Prices are from 5s. to 30s. per lb., according to quantity.

CREOSOTE.—B.P. quality, ex beechwood, quoted at from 6s. 9d. to 7s. 6d. per lb.

DEXTROSE.—Basic rates for the home ade are unchanged. MONOHYDRATE, B.P., uantities of 1 ton and upwards, 1s. per .; 10-cwt. to 1-ton, 1s. 0½d.; 5-cwt. to)-cwt., 1s. 1d.; 1-cwt. and less than 5-cwt., . 1½d.; less than 1-cwt., 1s. 2¾d., deered. ANHYDROUS, B.P., quantities of 1 n and upwards, 1s. 0¾d. per lb.; 10-cwt. 1-ton, 1s. 1¼d.; 5-cwt. to 10-cwt. s. 1¾d.; 1-cwt. and less than 5-cwt., . 2¼d.; less than 1-cwt., 1s. 4d.

GLYCEROPHOSPHATES. — Makers' list ices per lb. are as follows: CALCIUM OLUBLE, 10s. 6d.: IRON SCALE, 11s. 9d.; CID, 20 per cent. (B.P.C.). 8s. 3d. AGNESIUM (INSOLUBLE). 10s.; MAGNESIUM SOLUBLE). 19s. 3d.; MANGANESE, 24s. 3d.; OTASSIUM, 50 per cent., 5s. 11d.; 75 per nt., 7s. 9d.; SODIUM. 10s. 9d.; 50 per nt., 4s. 7d.; 75 per cent., 5s. 8d. Quantes of 7 lb., 6d. per lb. less than above ites; other quantities in proportion.

HYDROCYANIC ACID.—B.P.C. (Scheele's) quoted at 1s. 5½d. per lb. and B.P. at s. 1½d. per lb.

HYDROQUINONE.—Bulk rates are as folws: 10 cwt., 9s. 6d.; 5 cwt., 9s. 9d.; cwt., 10s.; 28 lb., 11s.; 14 lb., 11s. 3d.; lb., 11s. 6d. per lb. Carriage paid in U.K.

HYOSCINE HYDROBROMIDE. — Makers' rices are from 115s. to 125s. per oz., cording to quantity.

HYPOPHOSPHITES.—Makers' rates per lb. r 7-lb. lots are: AMMONIUM, 9s. 3d.; ARIUM, 6s. 3d.; CALCIUM, 4s. 11d.; IRON, s. 4d.; MAGNESIUM 7s. 9d.; MANGANESE, s. 5d.; POTASSIUM, 6s. 1d.; SODIUM, s. 7d. HYPOPHOSPHOROUS ACID.—In winnesters prices are around 6s. 2d. per lb.; carboys, 5s. 10d. per lb. asked.

MAGNESIUM CARBONATE. — Heavy, B.P., 1-cwt. lots is quoted at 131s., and light, .P., 106s. 6d. per cwt.

MAGNESIUM TRISILICATE (B.P.)—Prices per lb.) in the home trade are unchanged. ontainers in brackets. 28-lb. to 1 cwt., s. 4d. (1-lb.); 4s. 3d. (2-lb.); 4s. 2½d 4-lb.); 4s. 1½d. (7-lb.); 4s. 1d. (14-lb.); s. (28-lb.) per lb. Larger quantities range om 3s. 2d. to 3s. 4d. per lb. in 28-lb. ackages, carriage paid.

MANDELIC ACID. — In 28-lb. containers prices are from 12s. 10d. to 14s. 4d. per lb.; in 1-lb. bottles, from 13s. 10d. to 15s. 4d. per lb.

MERCURY PREPARATIONS—Makers' prices (per lb.) for the home trade are as follows: AMMONIATED, B.P., powder, from 9s. 11d. (1-cwt.) to 10s. 7d. (7-lb.); lump, twopence per lb. less than powder. YELLOW (MERCUROUS) IODIDE, B.P.C., from 22s. 9d. (28-lb.) to 23s. 3d. (7-lb.). GREEN IODIDE as yellow iodide. RED (MERCURIC) IODIDE, B.P., from 17s. 9d. (28-lb.) to 18s. 3d. (7-lb.). NITRATES (MERCURIC) and (MERCUROUS) are listed at 16s. for small quantities. OXIDE (RED LEVIGATED), B.P.C., from 10s. 7d. (1-cwt.) to 11s. 3d. (7-lb.). OXIDE, YELLOW (MERCURIC), B.P., as red oxide. PERCHLORIDE, B.P., lump, from 8s. 9d. (1-cwt.) to 9s. 5d. (7-lb.); powder sixpence per lb. less than lump. SUBCHLORIDE (CALOMEL), from 9s. 11d. (1-cwt.) to 10s. 7d. (7-lb.). SULPHATE, WHITE (MERCURIC), B.P.C. from 17s. (1-cwt.) to 18s. (7-lb.) SULPHIDE, BLACK (MERCURIC), B.P.C., from 18s. (28-lb.) to 18s. 6d, (7-lb.) SULPHIDE, RED (MERCURIC), B.P.C., from 10s. 9d. (1-cwt.) to 11s. 5d. (7-lb.). MERCURY with CHALK, B.P., 5s. 9d. (7-lb.).

NICOTINIC ACID.—Quotations are about 40s. to 42s. per lb., as to quantity.

PHENOLPHTHALEIN. — Prices were increased by 9d. per lb. on November 24. 1-cwt. lots are now 7s. 7d. per lb.; 28-lb., 7s. 7d.; 14-lb., 8s.; and 7-lb., 8s. 3d. per lb.

PHENYLACETIC ACID.—A firmer market. 1-cwt. lots are now quoted at 5s. per lb.; smalls, up to 5s. 9d. per lb.

POTASSIUM ANTIMONYLTARTRATE. — Quotations are in the region of 7s. 10d. to 8s. per lb. The SODIUM salt is available at about 9s. per lb. for small quantities. ANTIMONIOUS OXIDE, B.P.C., is 6s. per lb.

QUININE.—Steady. Makers' rates (per oz.) to home-trade distributors are given below; additional charges must be added for repacking, etc. ALKALOID, from 5s. to 5s. 6d.; ACETYLSALICYLATE, 6s. 3d. to 6s. 9d.; BISULPHATE, 3s. 7d. to 4s. 1d. DIHYDROBROMIDE and DIHYDROCHLORIDE, 4s. 11d. to 5s. 5d.; FORMATE, 5s. 9d. to 6s. 3d.; GLYCEROPHOSPHATE, and PHOSPHATE, 5s. 5d. to 5s. 11d.; HYDROBROMIDE and HYDROCHLORIDE, 4s. 6d. to 5s.; SALICYLATE, 4s. 8d. to 5s. 2d.; SULPHATE, 4s. to 4s. 6d.; QUININE AND UREA HYDROCHLORIDE is quoted from 4s. 10d. to 5s. 4d.

RESORCIN. — Current prices range from 11s. to 11s. 6d. per lb.; MONOACETATE is from 14s. 6d. to 17s. 6d. per lb., according to quality.

SANTONIN.—Recently increased rates per kilo are: 1-kilo lots, £64; 500-gm., £65; 250-gm., £66; 100 gm., £67; smaller quantities, £68. Supplies continue short.

TANNIC ACID. — Current quotations for B.P., levis, ex ether, are from 8s. 6d. per lb.

Crude Drugs

ACONITE.—Indian, on the spot, quoted at 260s. to 265s. per cwt.; *napellus*, 3s. 11d. to 4s. 3d., duty paid, nominal.

AGAR.—A firmer market with supplies of Kobé No. 1 strip rather short on the spot; quotations are at from 16s. per lb., duty paid. No. 2 is offered at 14s. 9d., duty paid.

ALOES.—Cape Aloes is firmer on the spot at about 117s. 6d. per cwt.; forward, 108s., c.i.f. Curaçao is quoted at from 230s. to 240s. per cwt., spot.

ASAFETIDA.—In little demand. Persian block on spot is offering at prices from £14 10s. to £24 per cwt., as to grade.

BALSAMS.—*Canada* is quoted at from 14s. 9d. to 17s. 6d. per lb. Pará *Copaiba* is 8s. per lb., duty paid; 7s. 6d. in bond. San Salvador *Peru* is from 6s. 3d. to 6s. 6d. per lb., duty paid. *Tolu* is difficult to find on the spot; there are no forward offers.

BENZOIN.—Sumatra block on the spot is from £18 10s. to £19 10s. per cwt., as to holder. Siam almonds are offered at from 20s. to 21s. per lb., spot.

CALABAR BEANS.—Steady. Spot quotations are from 10½d. to 11d. per lb.

CALUMBA.—Natural unwashed sorts are quoted at from 75s. to 80s. per cwt., spot.

CASCARA SAGRADA.—Nominal on the spot at 275s. per cwt., duty paid.

CLOVES.—Quiet. Zanzibar is quoted at from 1s. 4½d. per lb., spot; November-December, 1s. 2⅞d., c.i.f. Madagascar in bond is offered at 1s. 5d.

ERGOT.—Firmer. Quotations for Portuguese are from 22s. 6d. to 24s. per lb., spot.

GUM ACACIA.—Kordofan cleaned sorts on the spot, offered at from 89s. per cwt., spot London, and 88s. in Liverpool; December shipment, 82s., c.i.f. New-crop, January-February shipment, 84s., c.i.f. Bleached gum, 125s., spot. Talha is 50s. per cwt., on spot; shipment, 45s., c.i.f. U.K. imports in October amounted to 4 776 cwt. valued at £15,628. Reports from the Sudan state that market arrivals for the first ten months of 1948-49 season were 648 000 cantars, against 813 000 cantars in the corresponding period of the previous year; output, although lower than 1947-48, is expected to be above average.

HENBANE.—B.P. herb (*niger*) on spot, 4s 3d. per lb. Egyptian (*muticus*) at origin is nominally quoted at 95s. per cwt., c.i.f.

HONEY.—Prices (per cwt.) for manufacturing honey are as follows: 1 cwt., 96s.; 5 cwt., 91s.; 10 cwt., 87s.; 20 cwt., 84s., packed in 60-lb. drums, carriage paid. Refined repacked honey is available at the following rates per cwt.: In 56-lb. tins, 100s.; 28 lb., 115s.; cases of four 7-lb., 130s., carriage paid.

IPECACUANHA.—Difficult to procure o the spot. Nicaraguan, December-Januar shipment, 37s. 6d. per lb., c.i.f., nomina

IRISH MOSS.—White carrageen is on o fer at 85s. per cwt., spot.

JALAP.—Vera Cruz is offered at fro 3s. 10½d. to 4s. 3d. per lb., spot, as to tes

KARAYA.—No. 1 gum on spot is quoted 255s. to 280s.; No. 2, 215s. per cwt., spot No. 3, 180s., spot.

KINO.—Indian gum is offering on th spot at 6s. 9d. per lb.

KOLA NUTS. — African quarters, 6d. p lb.; halves from 2¾d. to 4½d. Jamaica washed halves, 3½d. per lb.

LIQUORICE.—Anatolian natural root o the spot is from 55s. per cwt.; shipmen 50s. 6d. to 51s. 9d. Syrian natural i short at from 40s. to 45s., spot; cut, 55 per cwt. Turkish block is quoted at fro 160s. to 230s., duty paid, according t holder; Turkish stick is from 300s., dut paid. Italian stick is from 300s. to 475 per cwt., duty paid, as to grade.

MACE. — West Indian blade is offere at 6s. per lb. on the spot; prices of pick ings are from 2s. to 5s., as to quality.

MASTIC.—Small tears (No. 2) are o fered at 14s. 6d. per lb., duty paid.

MENTHOL.—Quiet. Brazil is quoted a from 83s. to 85s. per lb., spot, duty paid and 79s. per lb. in bond; November-Decem ber shipment, 87s. 6d., c.i.f. Chinese November-December, 85s., c.i.f. U.K. im ports in October amounted to 8,844 lb valued at £28,193.

MERCURY. — Spot price is £26 5s. pe flask; for shipment, £25 10s., c.i.f.

MYRRH.—Aden sorts, spot, offered at £1 per cwt., siftings are at £6 10s. to £7.

NUTMEGS. — West Indian 80's quote 2s. 9d., on spot; sound assorted, 2s. 1d. spot. East Indian 80's offered at 2s. 10d per lb., c.i.f.

NUX VOMICA. — Cochin is offered fron 36s. to 37s. 6d. per cwt., spot; 32s. to 33s. c.i.f. Madras for shipment, 27s. per cwt. c.i.f. Cocanada, 35s per cwt., spot.

OLIBANUM. — Best drop is quoted a 195s.; peas are 190s., fair garblings, 125s and siftings at 85s. per cwt., spot.

ORRIS.—Florentine root on the spot i offered at 110s. to 120s. per cwt.; Verona for shipment, 60s., c.i.f.

PAPAIN. — East African white, on th spot, is from 14s. to 14s. 9d. per lb.; Ceylon brown, 10s. per lb., spot.

PIMENTO.—Quotations are from 1s. 3d. per lb.; to arrive, 119s. per cwt., c.i.f.

PODOPHYLLUM.—Indian (*emodi*) is available at from 310s. per cwt., ex wharf, as to resin content; American (*peltatum*) spot, 280s. per cwt., nominal.

QUASSIA.—Chips on the spot are quoted at from 30s. to 35s. per cwt.

QUINCE SEED. — Cape on the spot is eady at 3s. 6d. per lb.

RHATANY.—Quiet. Spot quotations are ıchanged at 9d. per lb.

RHUBARB.—In good inquiry. Little if ıy on the spot and no forward offers.

SEEDS.—ANISE.—Only Turkish is offer-g, at 165s. per cwt., in bond London, r December delivery. CARAWAY.—Dutch unchanged at 112s. 6d. per cwt., duty ıid, spot London. CELERY.—Market firm. ıdian is 1s. 5d. per lb., spot London; rench is now 1s. 10½d. per lb., duty ıid, for December delivery. CORIANDER.—ɔot prices have been maintained during e past week although Morocco for ship-ent is easier. Morocco on spot is 85s. r cwt., duty paid, and 80s. per cwt., bond. Argentine, whole seeds, is 75s., ıty paid, and splits, 70s., ex store Hull. CMIN.—Market is quiet. Cyprus reports at the crop has been practically cleared; is now quoted at 180s. per cwt., c.i.f. orocco, on spot, is 165s. per cwt., duty ıid, and 155s. per cwt., in bond. Indian, ɔot London or Liverpool, is 155s. per vt. DILL. — Market firm. Indian is 2s. 6d. per cwt. in London. FENNEL.—A tle more Continental inquiry. Indian is ıoted at 70s. per cwt., spot London. ENUGREEK.—Market firm. Indian is un-ıanged at 62s. 6d. per cwt., spot London. orocco is 57s. 6d. per cwt., duty paid, ot London or Liverpool.

SENNA.—Tinnevelly leaves, spot, No. 1, om 9½d. to 11d. per lb.; No. 2, 7½d. to l.; No. 3, 6d. per lb.; Tinnevelly pods, lected, nominal; ordinary hand-picked, l. to 1s.; manufacturing, 5d. to 6d. lexandrian pods, hand-picked, spot, from . 9d. to 5s. 9d. per lb., nominal; medium ades are offered at from 2s. 6d. to 3s. r lb.; manufacturing, 8d.

SHELLAC.—F.O.T.N., pure, is easier at 7s. 6d. per cwt.; F.O. Standard 1, 7s. 6d.; fine orange, 365s. to 410s., spot.

TRAGACANTH. — Steady. Selected white bbon is quoted at £115 per cwt.; other hite grades on the spot are offered at om £65 to £100 per cwt.

WAXES. — Dar-es-Salaam BEES' is un-anged at 370s. per cwt., spot; shipment, 0s., c.i.f. Benguela on the spot is 335s. r cwt. in bond and 362s., spot, duty ıid: shipment, 325s., c.i.f. Lindi is fered at 365s. per cwt., spot; shipment, 2s. 6d., c.i.f. CANDELILLA.—On the spot, 5s. per cwt., quoted; December delivery, 5s., ex warehouse. CARNAUBA.—Prime llow is 900s. per cwt., spot; shipment, 0s., c.i.f. Fatty grey is offering at 665s. r cwt., spot; shipment, 660s., c.i.f. ONTAN.—Reibeck is steady at 180s. per vt., spot; forward, 155s., c.i.f. OURI-RI.—Supplies scarce. 3.6 per cent. im-rities on the spot is 650s. per cwt.; 5 per cent. pure, for shipment, is quoted 660s. per cwt., c.i.f.

Expressed and Essential Oils

ALMOND. — English-expressed sweet oil (B.P.) is from 4s. 6d. to 5s. 3d. per lb.; Spanish is available at from 3s. 3d. to 4s. 6d., as to grade. Bitter, on the spot, is from 30s. to 60s. per lb., as to grade.

ANISE. — Firm. Chinese star is now quoted at from 8s. 6d. to 8s. 9d. per lb. for drums and from 8s. 9d. to 9s. in tins in cases, spot. Supplies are rather low and there are no offers from China.

BOIS DE ROSE.—Quotations are from 24s. to 26s. per lb.; forward, 21s. 6d., c.i.f.

CADE.—Spanish oil, B.P., on the spot, is offered at from 2s. 6d. to 3s. 6d. per lb.

CALAMUS.—Offers of English-distilled are from 100s. to 150s. per lb. Dutch is quoted at from 65s. to 69s. per lb., landed, duty paid.

CAMPHOR.—White oil on spot is quoted at from 2s. 2d. per lb., duty paid; brown oil, from 1s. 7d. per lb., spot, duty paid.

CARAWAY.—English-distilled is offered at from 36s. to 40s.; imported, 26s. to 28s. per lb., as to quantity.

CASSIA.—Little available on the spot; a parcel afloat is offered at 16s. per lb., c.i.f.

CINNAMON.—Steady. B.P. oil, 50s. to 60s. per lb. Bark oil is offered at 12s. per oz. Leaf oil, on spot, 8s. per lb.

CITRONELLA.—Easier. Ceylon, November-December shipment, is now quoted at 5s. 10½d. per lb., c.i.f. Spot is nominal at 7s. 6d. per lb. Java, for shipment, 14s. 6d., c.i.f.; spot, 16s. 6d., nominal.

EUCALYPTUS.—70-75 per cent. (B.P.) is firmer at from 4s. 6d. to 5s. 6d. per lb., spot; 80-85 per cent., 4s. 9d. to 5s. 9d. per lb., spot.

GERANIUM.—Bourbon on the spot is at about 75s. per lb.; for shipment, 90s., c.i.f., nominal.

LAVENDER.—French, 38-40 per cent., on spot is offered at from 19s. to 22s. per lb.; 40-42 per cent., 20s. to 23s. English-distilled oil is quoted at 185s. per lb. Spanish spike is 9s. to 9s. 6d. per lb., spot.

LEMONGRASS.—Quiet. Spot quotations are from 14s. 6d. to 15s. 9d. per lb.; November-December shipment, 14s. to 14s. 6d., c.i.f.

PALMAROSA.—Spot quotations are from 37s. 6d. per lb.; shipment, 37s. to 37s. 6d., c.i.f.

PEPPERMINT.—English-distilled is offered at from 200s. to 225s. per lb. Chinese (dementholised *M. arvensis*) is quoted at from 41s. to 44s., c.i.f.

SANDALWOOD. — Mysore oil on spot, from 75s. to 81s. per lb.; English-distilled is about 75s. per lb. West Indian is quoted at 25s. per lb.

TEASEED.—Refined deodorised is offered at 21s. 1½d. per gall., ex refinery; forward delivery, 20s. 10½d., ex refinery.

TRADE MARKS

(*From the "Trade Marks Journal," November* 16)

For detergents (3).—"SAS" in distinctive lettering; by Long Ditton Industries, Ltd., Long Ditton; 672,266.

For non-medicated toilet preparations (3).—"OBSESSION"; by Pinaud, Ltd., London, S.W.12; B674,861. "CHYPRE DE COTY" in distinctive lettering; by Coty (England), Ltd., London, W.1; 676,152. "FOREST GLADE" and device of trees; by Frederick Horace Germain, Brighton; 678,388. "HEARTBEAT"; by R. Demuth, Ltd., London, N.W.6; 678,969.

For all goods (3).—"PACO"; by William Pearson, Ltd., London, S.W.1; 677,655.

For soaps and detergents (3).—"CAPOW"; by Coggan & Pearson, Ltd., London, E.C.1; 678,731. "SUN"; by Hazlehurst & Sons, Ltd., London, E.C.4; 680,131. "ZEST"; by John Knight, Ltd., London, E.16; 680,329.

For perfumes and cosmetics (3).—"EDINVAL"; by Callender & Tully, Ltd., Edinburgh; 680,056.

For pharmaceutical preparations (5).—"DERMITANIUM"; by Jacques Gilbert Métadier, Neuilly; 666,944. "OVAID" and "EUTHEX"; by Ablin, Ltd., London, W.1; 676,856 and 677,385. "COBIONE"; by Merck & Co., Inc., Rahway; 677,685. "AVLOTHANE"; by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1; 678,892. "GANTRISIN"; by Roche Products, Ltd., Welwyn Garden City; 680,415. "FIBODRAL"; by the Brynn Manufacturing Co., Ltd., Ashton-in-Makerfield; 680,704. "NUPASAL"; by Herts Pharmaceuticals, Ltd., Welwyn Garden City; 681,039.

For all goods (5).—"AIR STRIP" in distinctive lettering; by Herts Pharmaceuticals, Ltd., Welwyn Garden City; 674,040. "MINEL," "MOEBATHANE," "ISTUBOL"; by Imperial Chemical (Pharmaceuticals), Ltd., Slough; B676,807, 680,448, 680,453. "STAIR BRAND" in diamond device including houses; by the Crown Chemical Co., Ltd., Lamberhurst; 678,163. "VIRICIDIN"; by the Wellcome Foundation, Ltd., London, N.W.1; 680,500.

For medicated toilet paper (5).—"SOLVOL"; by B. Atha, Ltd., Leeds; 670,417.

For deodorant powder (5).—"QUEST" in distinctive lettering; by International Cellucotton Products Co., Chicago; 673,644.

For disinfectants and insecticides (5 "JOVE," and device of man; by Va Industries, Ltd., London, W.8; 680,2 64.

For veterinary preparations (5). "STARTER"; by Bob Martin, Ltd., Sou port; B680,422.

For sterilising preparations (5).—"DI QUAM"; by Industrial and Commer Detergents, Ltd., London, S.W. 681,261.

(*From the "Trade Marks Journal," November* 23)

For hair-waving solutions and reage (3).—"WELLIN"; by Wella Rapid, L London, N.W.1; 669,588.

For soaps, perfumes, etc. (3).—"FELL TRAVELLERS" in distinctive lettering; Executive Perfumes, Ltd., Leeds; 679,8 "ITSOGEN"; by Martin Phillips & C Ltd., Bagworth; 681,168.

FIFTY YEARS AGO

"Drift Towards the Scientific

(*From the C. & D., December* 2, 189

MR. DRUCE [in an address to the Met politan College of Pharmacy] continue —We have drifted away from the techni side to the purity scientific. It may be antiquated idea, but he holds it, that th can be a pharmaceutical chemistry and pharmaceutical botany. It may be m difficult to get teachers to teach it, b the difficulty is not unsurmountable; mand usually creates supply, and a che istry which is in touch with pharmacy a a botany which deals with the morpholo of drugs would be more valuable to t student of pharmacy than are the prese methods of teaching the sciences. (A plause.) The brewing and the mini chemist would be scarcely satisfied if th were not given some special technic knowledge; nor should the student pharmacy. We lament the decadence scientific pharmacy, but how can we e pect it to be booming when in the exa ination-room it is relegated to a su ordinate place, and in the central scho of pharmacy it is still less in the ascendan Hence comes the lack of interest in o school of research, which, instead of bei used for pharmaceutical research, has lik wise been diverted from its proper functio to be a not very brilliant success as r gards chemical investigations. He hope these grievances would be remedied in th not distant future.

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An Antiseptic of the Popular
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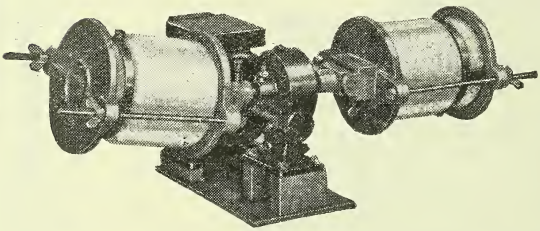
Established 1741 & COMPANY LIMITED, **LONDON. E.6**

laboratory ball mill and mixer . . . . . .

the laboratory unit with a new angle on mixing



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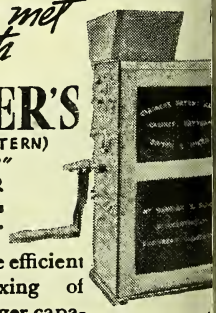

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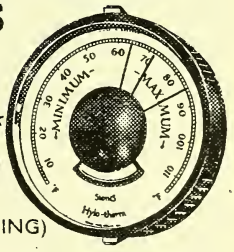

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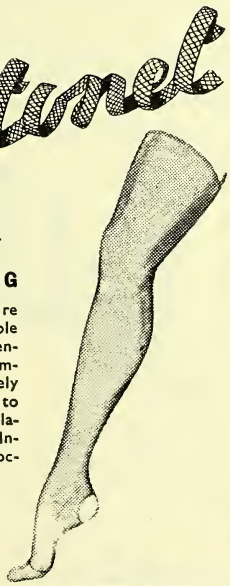

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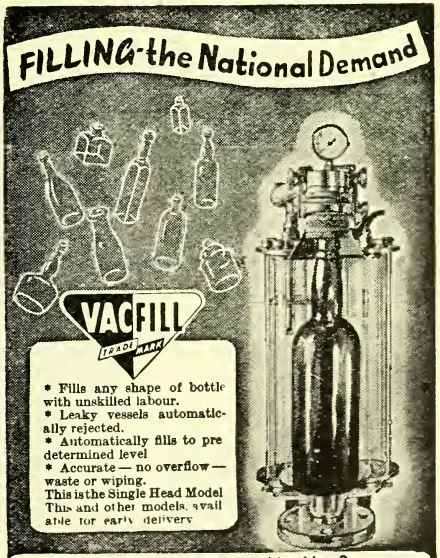

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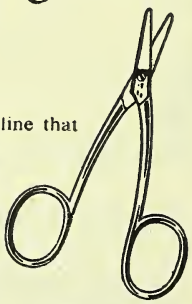

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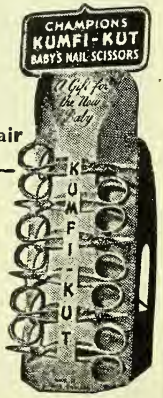

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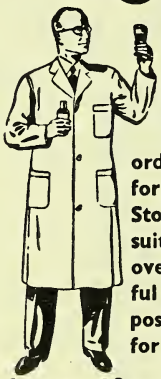

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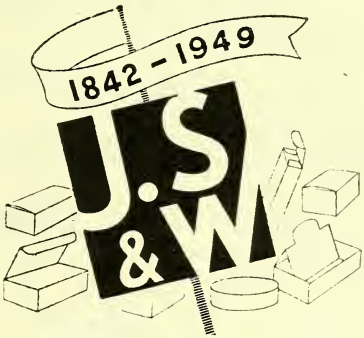

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NEW PEPSODENT is extra-foamy, extra-quick. You'll find your teeth whiter, while Pepsodent's lovely minty taste brings clean freshness to your mouth and breath.

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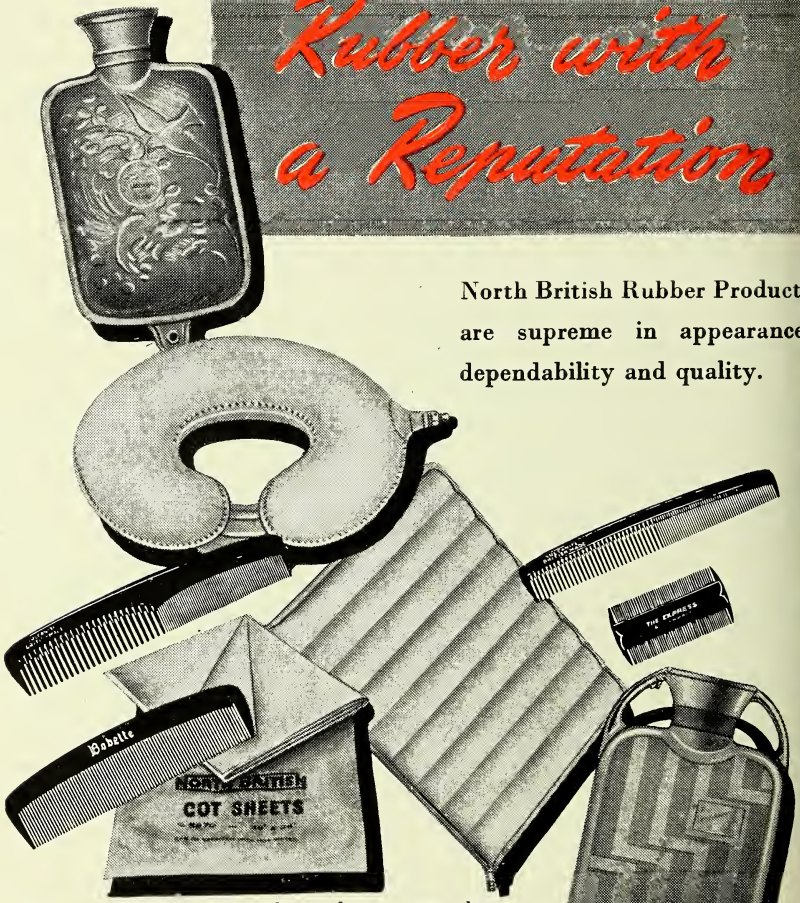

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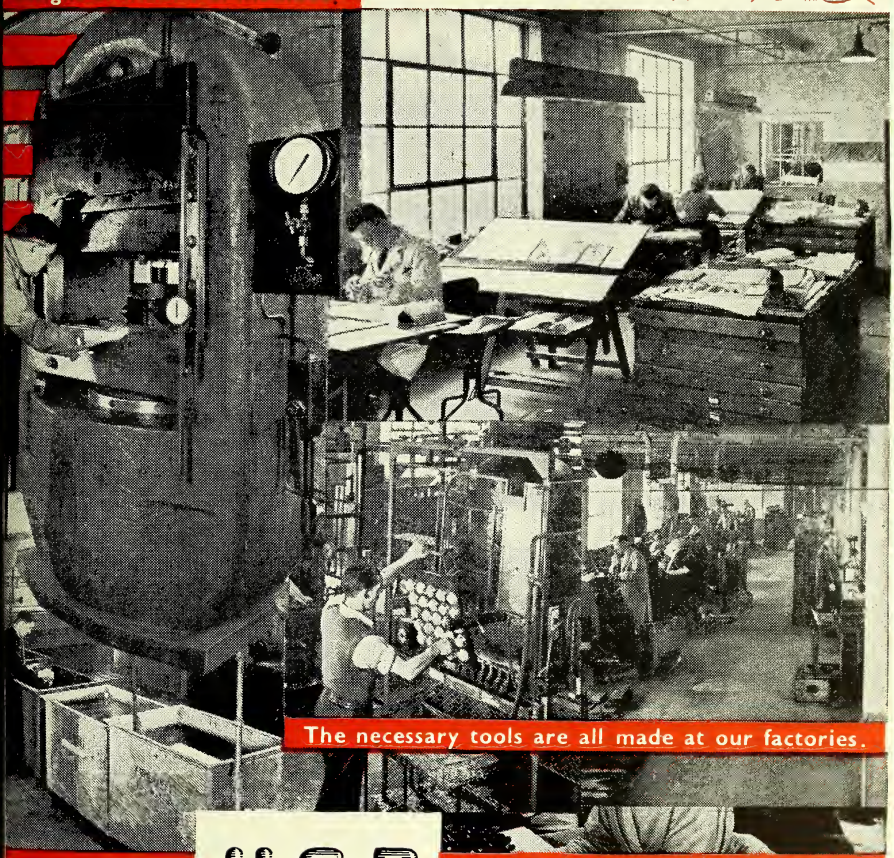

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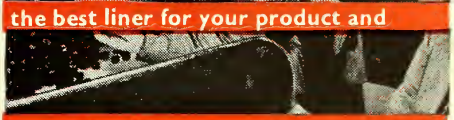

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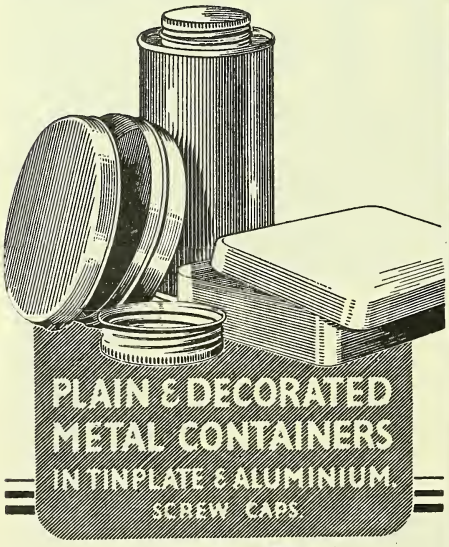

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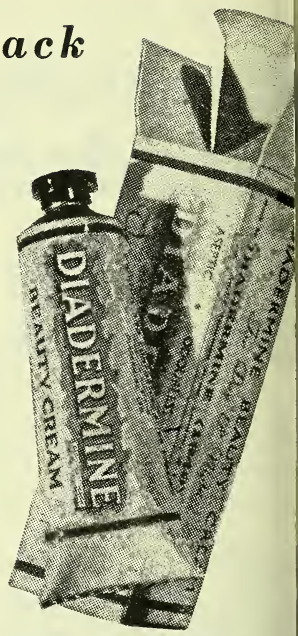
The all-purpose cream is again obtainable in its original pre-war quality. A cleansing beauty cream, combining valuable medicinal factors, DIADERMINE fulfils a long-felt need for family skin care. DIADERMINE is odourless, greaseless, aseptic and *water-soluble*. National advertising is already beginning . . . order your stock of DIADERMINE to-day. *Retail prices:* Tubes: 10d., 1/3d., 2/6d., Jars: 4/2d., 6/8d., 7/6d. All prices include Purchase Tax. *Order through your usual wholesaler.*



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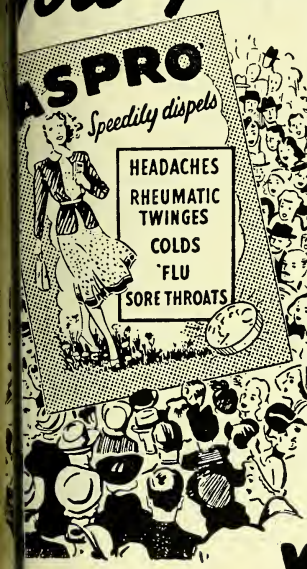

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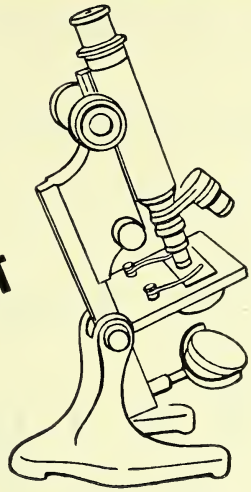

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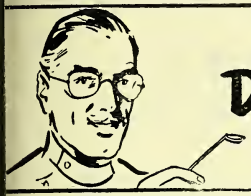

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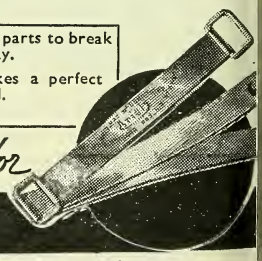

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More customers than ever will be asking for

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QUININE & VITAMIN C

FOR PROPHYLAXIS AND TREATMENT OF THE COMMON COLD AND OTHER UPPER RESPIRATORY INFECTIONS

Quinine possesses in addition to antipyretic properties a central analgesic action which blunts the pain in muscles and joints associated with influenzal infection. "It is important to ensure a reasonable daily intake of not less than about 50 mg. of vitamin C . . . and that it may be well to ensure saturation in all feverish patients."
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Each sugar-coated tablet contains 30 *mg.* (600 *int. units) of ascorbic acid, and* 30 *mg.* (*gr.* ½) *of quinine sulphate.*
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COMPLEVITI

a *single* supplement for *multiple* deficiencies

The recommended adult daily dose provides:—

vitamin A	2,000 i.u.	ferr. sulph. exsic	204 m
vitamin D	300 i.u.	iodine ..	not less
vitamin B_1	0.6 mg.	manganese ..	than 10
vitamin C	20 mg.	copper ..	p.p.m. eac
calc. phosph.	480 mg.		

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Make sure your stocks of COMPLEVITE are sufficient to meet the demand.

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Forest Pine Disinfectant (A special quality product)	(4 ozs.)	10d.	6/9
Lysol Disinfectant	(4-ozs.)	—	5/9
„ „	(8-ozs.)	—	9/9
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Luce's Eau-de-Cologne, and Luce's Lavender Water	(1-oz.)	3/4	16/-
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Jersey Heather, Violet, Oregon	(2-ozs.)	12/6	60/-
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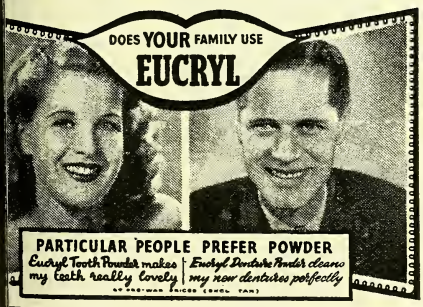
Luce's Talcum (Eau-de-Cologne or Lavender)		2/1	10/-

Minimum Parcels are as follows :

EUCRYL DENTIFRICES :— 30/- net. ex. P.T.—single or assorted.
LYSOL DISINFECTANT :— 6 dozen 4-oz. size, 2 dozen 8-oz. size.
LUCE'S PREPARATIONS :— (PERFUMERY, TALCUM, SHAMPOO) Orders over £2 net. No minimum if added to a Dentifrice order.



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EUCRYL LTD. 7-9 Oakley Road, Southampton

Gold Cup

JAFFAJUCE

The Quintessence of Quality in Real Fruit Drinks.

Made from ripe, sun-kissed fruit and pure cane sugar. Jaffajuce Orange, Jaffajuce Orange and Pineapple, Breakfast Jaffajuce (for a "Short" drink), Jaffajuce Lemon, Jaffajuce Grapefruit, Gold Cup Lime Juice.

JAFFAJUCE LTD., LONDON W.1 & GLASGOW ORDER THROUGH YOUR USUAL WHOLESALE CHEMISTS

COLCHICINE

B.P., U.S.P.

For use in Treatment of

GOUT, ASTHMA, CEREBRAL CONGESTION and URAEMIA

—

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The Pure Crystalline Alkaloid for securing Muscular Relaxation in Surgical Operations and Shock Therapy.

—

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PAL CHEMICALS LTD.

PALORIT HOUSE, 11 HARROW RD., LONDON, W.2

PADdington 8261

'Semprolia'

D.D.T.

HAIR EMULSION

...a new effective treatment for head lice..

A new formula Emulsion, conta D.D.T. as the ingredient, for control of head Pleasantly perf and simple to use. Apply by massagin the scalp. No comb required except for t moval of dead lice. T ment is economic individual application drachms only.

List price 8/- (plus

Retail price 1/3 (incl. tax)

ALSO STILL RECOMMEN

'Semprolia'

MEDICATED (LETHANE) HAIR OIL N.F.

STEMCO Ltd., 128 Albert St., Camden Town, N.

Agents in Eire: May Roberts (Ireland) Ltd., Du

popularity of the "Cruiser Class" Superior Comfort Cap is due to its silky, long-stretch natural rubber material and the fact that it can be worn with or without straps.
Available in 2 sizes in Snow White, Red, Royal, Green, Pink, Pastel Blue and Pastel Green.

WHOLESALE DISTRIBUTION ONLY

Over 10 million bathing caps have been manufactured and sold by us all over the world.

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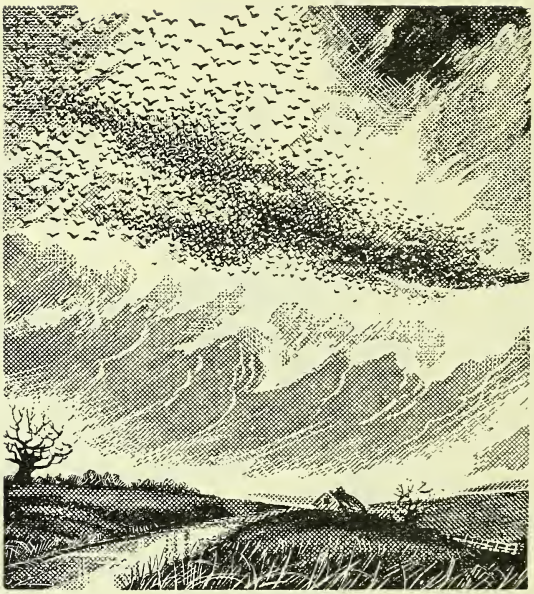

FINDING SUMMER ELSEWHERE

when the 'Cold Season' approaches

At this time of year when birds make an easy escape to warmer climes your work-a-day customers cannot likewise take wing at a moment's notice to avoid winter colds. For many years now Serocalcin has been recognised as the most successful treatment for clearing this common complaint.
The new Serocalcin showcard prominently displayed on your counter will constantly remind customers of the need to purchase. Write to us to-day if you have not yet received this valuable Sales Aid.

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SEROCALCIN

FOR THE PREVENTION AND TREATMENT OF COLDS

HARWOODS LABORATORIES LTD · WATFORD · HERTS

Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2.

Chemist & Druggist SUPPLEMENT

HEAD OFFICE: 28 ESSEX STREET, STRAND, LONDON, W.C.2

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or SALES, PURCHASES, VALUATIONS, STOCKTAKING and ASSESSMENTS

urrey, Important Town. Vendor having agreed urchase a business in Wales desires to sell ell established suburban retail business which turnover of approx. £10,000 p.a. and a net to a managing proprietor of about £2,500 Comfortable flat over. 21 years' lease at very nable rental. Total purchase price asked 00 or valuation terms considered.

ournemouth. Middle class business for dis- turning over between £5,000 and £6,000 Excellent dispensing connection. Comfortable accommodation with four bedrooms, bath- garden, garage, etc. Long lease at £130 Scope. Total purchase price £3,500 S.A.V.

hannel Islands. Vendor emigrating. Growing ess returning about £2,000 p.a. net profit. ortable living accommodation. Very long at reasonable rental. Private chattels may e acquired if required. Total inclusive pur- price asked, lease, goodwill, stock, fixtures, s and private chattels £6,000. Offers would nsidered.

4. Derbyshire. Corporate body desires to dispose of branch owing to management difficulties. Turnover last year £4,737. Gross profit approximately £1,400. Excellent return to managing proprietor. Corner shop. Stock worth nearly £1,100. Comfortable living accommodation with bathroom. Price required for freehold property, goodwill and fixtures £2,250 plus S.A.V.

5. East Dulwich. Drug store for disposal offering scope for pharmacy. Net profit as drug store averages well over £600 p.a. Double-fronted shop with nice living accommodation over—three bedrooms, bathroom, etc. Small garden. Price required for the freehold property, goodwill, fixtures and fittings, £2,850, plus small S.A.V.

6. North West London. Good class business for disposal for genuine reason. Excellent dispensing connection. Increasing turnover at present approaches £11,000 p.a. Long lease at £220 p.a. Spacious shop, attractively fitted. Competent staff. Minimum price required £5,250 S.A.V., in all about £8,250.

184 STRAND · LONDON · W.C.2

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77 High St., Shirley, Southampton. Phone: Southampton 71708

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36 words (min.) then 4d. per word. Box 2/-

AKE-UP BUSINESS manufacturing powder e-up for sale. Very easy to handle. Sales multiple stores. Price £1,000. Box C 1196

APPOINTMENTS

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BARNET GROUP HOSPITAL MANAGEMENT COMMITTEE

tions are invited for the post of TANT PHARMACIST at Wellhouse al, Barnet. Immediate vacancy. Salary le £425 by £25 to £525 per annum. inimum salary of £425 p.a. is linked to . £25 p.a. less for each year below ge. Applications, stating age, experi- nd qualifications, should be sent to the l Director, Wellhouse Hospital, Barnet, C 5144

SPITAL OF ST. JOHN AND ST. ABETH, 60 GROVE END ROAD, LONDON, N.W.8.

rienced dispenser required to assist cist. Applications, giving details of nce, age and copies of recent testimo- be sent to the Secretary. C 5135

CONNAUGHT HOSPITAL, WALTHAMSTOW, E.17

ASSISTANT TO PHARMACIST required immediately (Hall certificate). Hospital experience preferred. Salary in accordance with J.N.C. scale. Applications, stating age, experience, etc., together with copies of two recent testimonials, to the Secretaary, Forest (No. 11) Group Hospital Management Committee, Langhorne Rd., Leytonstone, E.11. C 9

ROTHERHAM AND MEXBOROUGH HOSPITAL MANAGEMENT COMMITTEE

MONTAGU HOSPITAL, MEXBOROUGH, YORKSHIRE

ASSISTANT PHARMACIST

Applications are invited for the post of Assistant Pharmacist at the above hospital (living accommodation available in the case of female applicants). Salary in accordance with the J.N.C. scale. The post is subject to the National Health Service (Superannuation) Regulations. Applications, stating age, qualifications and experience, together with the names of two refereees, to be forwarded to the Secretary to the Committee, Montagu Hospital, Mexborough, Yorkshire. C 5130

The Bridge
Walsall, nr. Birmingham
Phone: Walsall 5948

28 Rigby Buildings, 4 Aytoun St.
Manchester 1
Phone: Central 0877

141 Bath St., Glasgow
Phone: Douglas 3168

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" Edweina," Oaklands A
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BUSINESSES FOR DISPOSAL

A.1. Putney Area. Drug store offered for conversion to pharmacy. Turnover for last financial year £3,566. Premises occupy prominent corner position beneath modern block of flats. Price £750, plus s.a.v. (estimated at £800-£1,000). Offers will be considered as a quick sale is desired.

A.2. Blairgowrie, Perthshire (Death Vacancy). The old-established chemist's business carried on by the late Mr. Charles Clark. Housing accommodation may be made available for purchase. Particulars from our Glasgow office.

A.3. Leicester (Retirement). Old-established pharmacy with living accommodation. Turnover 1948-49 approx. £5,400 including N.H.S. approx. £1,200, estimated. Goodwill and fixtures £1,750 plus s.a.v. Freehold property can be purchased or lease may be granted.

A.4. North London. Drug store and mixed business.; turnover for last financial year £1,150; low rental; excellent scope and opportunities under qualified proprietorship; total price £425.

A.5. Greenwich (near). Old-established business in good trading position; heavily populated middle/poor class area to draw upon. Tur for 1948-49 estimated at £7,100. Good Price £4,000, including stock estimated at £ and fixtures, etc., £750.

A.6. Kent (Seaside Resort). Drug store should offer appreciable scope under qua proprietorship; lock-up shop, etc., situated to sea front; price asked £740 for stock fixtures—no consideration required for goo

A.7. Essex (Congenial Town.) Well-estab business occupying main-road position. Tur for 1948-49 £9,205. Price £6,000, incl stock estimated at £1,500. Owner retiring.

A.8. London, E.C. Old-established City bus turnover for last financial year £4,000 app main road position; good scope; price £ including stock and fixtures (estimated at £1

A.9. Hants. Freehold property which for 40 up to 1940 had been utilised as a pharm Premises include living accommodation. asked for freehold (with vacant posse £2,250; reasonably near offers considered.

OFFICIAL VALUERS TO THE N.P.U. BUSINESS PURCHASE FUND

Appointments—Continued

HACKNEY GROUP NO. 6 HOSPITAL MANAGEMENT COMMITTEE HACKNEY HOSPITAL, LONDON, E.9.

SENIOR PHARMACIST

Applications are invited for immediate appointment at the above Hospital. J.N.C. salary scale, subject to any subsequent amendment, starting at a point commensurate with experience.

Please apply, enclosing copy testimonials, statement of qualifications and salary required, to Secretary, at the above address. C 5126

HAMPSTEAD GENERAL HOSPITAL (ROYAL FREE GROUP), THE GREEN, HAMPSTEAD, N.W.3.

PHARMACIST

Applications are invited for the post of Assistant Pharmacist at this hospital, which will be vacant early in December. Candidates should be registered pharmacists. Salary scale, £425 x £25—£525.

Applications on the prescribed form to be obtained from the undersigned to be submitted by November 30. Kenneth A. F. Miles, House Governor. C 5136

WELLHOUSE HOSPITAL, BARNET, HERTS

ASSISTANT IN DISPENSING required. Applicants should possess the Apothecaries' Hall Certificate. Salary according to experience. Applications, with full necessary details, to the Medical Director at the Hospital, C 5146

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE

SUPPLY OF VARIOUS KINDS OF STO

Applications are invited from person firms (particularly manufacturers) for p sion to be placed on the list of person firms from whom the County Council from time to time invite quotations for v kinds of stores, such as printing, paper, factured stationery, woodwork and ti metalwork, textiles, clothing, haberda soap, brushes, cleaning materials, chem drugs, provisions.

Applications must be made on the form, copies of which (together with dard conditions of supply) may be obt from the Chief Officer of Supplies, C Supplies Department, Cliff Lane, Wak Yorks.

Firms who have already applied and received acknowledgment of the form not make fresh application.

BERNARD KENYO
Clerk of the County Co

County Hall,
Wakefield.

SOUTH WESTERN HOSPITAL LANDOR ROAD, S.W.9.

Pharmacist-in-Charge, single-handed, quired for the above hospital which is expanded as an acute hospital. Salary w the scale £450-£525 per annum accordi experience, subject to review. J.N.C. c tions of service. Applications, stating age perience and present appointment, tog with the names of two referees, to The S tary, Lambeth Group Hospital Manage Committee, Renfrew Road, S.E.11.

LFAST

o CHEMISTS. Opportunity ccurs to rent shop in busiest elfast Arcade. Possession hortly. No premium. Moderte rental. Apply owners, OX C 5002

Appointments—Continued

OUTH-EAST ESSEX HOSPITAL MANAGEMENT COMMITTEE

plications are invited from qualified per- for the post of Pharmacist, in charge, handed, at St. Andrews Hospital, Bil- y, and to carry out relief duties at other als as required. Salary in accordance J.N.C. Scales.

position is subject to the National h Service (Superannuation) Regulations he person appointed will be required to medical examination.

plicants, stating age, qualifications and ence, together with the names and ad- s of two referees, to be forwarded to ndersigned within 14 days of the appear- of this advertisement.

G. E. WHYTE,
Deputy Secretary,
Thurrock Hospital,
Stifford Long Lane,
Grays, Essex.
C 5106

OUTH MANCHESTER HOSPITAL MANAGEMENT COMMITTEE

PHARMACIST
(Additional Staff)

lications are invited for the post of acist (grade previously known as As- Pharmacist) at the WITHINGTON ITAL (1,479 beds), MANCHESTER. c salary of £425 x £25—£525 per an- other awards and conditions of service cordance with the Pharmaceutical Whit- Council. For new entrants into the al Health Service the minimum of £425 ed with the age of 23, a reduction of eing made for each year below that age. lications stating age, qualifications, ex- ce and the names and addresses of two es, to be sent to the Medical Superin- t, Withington Hospital, Manchester, 20, er than December 15, 1949.
C 5138

EST HAM GROUP HOSPITAL MANAGEMENT COMMITTEE

ST GATE HOSPITAL, LONDON, E.7
TANT PHARMACIST required. Salary onditions of service in accordance with (Hospital Staffs). Salary £425 x £25 5. Appointment subject to the National Service (Superannuation) Regulations. ng accommodation cannot be provided. lications, stating age, qualifications, ex- ce, and names of 2 referees, should be the Senior Administrative Officer. C 5096

WELLHOUSE HOSPITAL, BARNET, HERTS

FIRST ASSISTANT PHARMACIST required. Salary and conditions in accordance with the Scheme of Conditions of Service of the Joint Negotiating Committee. Applications, with full necessary details, to the Medical Director at the Hospital. C 5145

WEST MIDDLESEX HOSPITAL, ISLEWORTH, MIDDLESEX

(SOUTH-WEST MIDDLESEX HOSPITAL MANAGEMENT COMMITTEE)

Applications are invited for the post of ASSISTANT PHARMACIST. Salary £425 (at age 23) x £25 to £525 per annum. Commencing salary will depend on previous experience. Subject to the National Health Service Superannuation Scheme. Applications, stating age, qualifications and experience, with copies of testimonials, to be sent to the Chief Pharmacist at the above Hospital. C 14

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947.

SITUATIONS OPEN

8/6 for 36 words (min.) then 3d. per word. Box 2/-

RETAIL (HOME)

BEXLEYHEATH, KENT. First-class qualified manager required to take full charge of good-class family and dispensing business. No living accommodation at present. Good personality and irreproachable references essential. Plenty of scope and a good income assured. Give full particulars, including age, etc. Reply to E. A. M. Gee, Managing Director, Goldthorpes (Chemists), Ltd., 312 London Rd., North Cheam, Surrey. C 1098

BIRMINGHAM—SMETHWICK. Qualified and unqualified dispensing assistants, male or female, required for busy main road pharmacy. Well paid permanent posts for suitable keen applicants with experience. Full personal particulars, also references, experiences and salary required, to Carr, Chemist, West Smethwick, Birmingham. C 1218

BOOTS THE CHEMISTS have vacancies in a number of districts for qualified assistants, male and female. Salary (male) Central London £10 5s. to £11 5s. Metropolitan District £9 17s. 6d. to £10 17s. 6d. Provinces £9 10s. to £10 10s. (Female Central London £9 15s. to £10 15s. Metropolitan District £9 7s. 6d. to £10 7s. 6d.) Provinces £9 to £10, according to age. Engagements are on a permanent basis with good prospects and eligibility for pension, life assurance, etc. There are also a number of vacancies for unqualified assistants with sound pharmaceutical experience. Good remuneration with a view to permanency. Pension scheme, etc. Applications should be made to Retail Staff Department, Station St., Nottingham, stating age, experience, and district preferred. C 1

EAST COAST market town. Qualified lady or gentleman to supervise high-class modern pharmacy. T.S.A. licence. Also unqualified dispensing assistant. Excellent prospects. Allen & Neale (Chemists), Ltd., Kings Lynn. Phone 2459. C 1230

HAMPSTEAD, N.W.3. Unqualified assistant, either sex, with dispensing experience, required for high-class business in Hampstead. Apply, giving full particulars of experience, etc., to E. B. Stamp, 29 Hampstead High St., N.W.3. Ham 0599. C 1201

HAMPSTEAD. Senior qualified assistant wanted in good-class pharmacy. Quick in dispensing and capable of taking charge occasionally. State age, experience and salary required. Sangster & Co., 2 College Crescent, N.W.3. Primrose 0332. C 1168

Situations Open—Continued

LADY PHARMACIST required for permanent relief duties. Salary above average. Accommodation available. Apply Box C 1239.

LONDON CO-OPERATIVE Chemists Ltd., invite applications from experienced pharmacists for branch managerial vacancies in pleasant suburban areas. Modern, well-equipped shops with good supporting staffs, attractive salary, generous commission, with payment for all rota duties. Positions permanent and superannuated, with excellent promotion prospects. Choice of living accommodation, house or flat, where required. Full particulars as to experience, wages required, etc., to Superintendent Chemist, Grange Rd., Leyton, E.10. C 1123

LONDON, N.10. Lady assistant required, with counter, window and some dispensing experience. Apply, Proctor Cole, Ltd., 116 Avenue Parade, Muswell Hill. C 1220

MANCHESTER (near), wanted end of December, qualified for branch shop; 9 to 6 p.m.; rota 1 week in 4; permanent. Full particulars to Berry, Chemist, Prescot, Lancs. C 1169

MANCHESTER, Southern Suburb. Pharmacist, lady or gentleman, required urgently for steady dispensing business. Good salary and permanency. No Sunday or rota duties. Fullest particulars to Box C 1148.

MAIDSTONE. Unqualified assistant required for local branch. Duties mainly dispensing. Permanent position with bonus and superannuation scheme. Usual particulars to Stonham & Son, Ltd., 70 Bank St., Maidstone. C 1233

NORTH LONDON. Unqualified assistant required for dispensing and counter. Please state particulars and salary to J. H. P. Bolton, Ltd., The Green, Winchmore Hill. C 1217

PHARMACIST REQUIRED to manage branch in the West End of London. Hours 9-6. Light dispensing. Minimum salary and commission £12 10s. weekly. Position permanent, prospects excellent for person possessing salesmanship. No living accommodation. Write, giving brief particulars in first instance, to Box C 1101.

PHARMACIST (lady or gentleman) required immediately to manage branch shop; fully staffed. Half-day. No Sunday duty. Good salary. T. H. Prichard & Son, Ltd., Medical Hall, Abertillery. C 1116

QUALIFIED ASSISTANT (lady or gentleman) required. Salary £15 per week. Near London. Apply A. W. Daniel, M.P.S., 12 Chase Cross Rd., Romford, Essex. C 1182

QUALIFIED ASSISTANT, splendid opportunity for young man just qualified to acquire knowledge of management. Permanency. London, West. Apply "A," Box C 5071.

QUALIFIED CHEMISTS required by firm of long standing. Good wages. Permanency. Apply Turner & Sons (Cambridge), Ltd., 36 Trinity St., Cambridge. Phone Cambridge 3425/6. Box C 1209.

QUALIFIED MANAGER required for branch pharmacy. Salary £10 per week plus house on premises free of rent, rates and light. Apply to Secretary, Robert Read (Thorne), Ltd., Finkle St., Thorne, Yorks. C 1205

QUALIFIED MANAGER required for branch pharmacy. Salary, £10 per week, and commission on National Health dispensing (minimum £1). Superannuation scheme. Apply, stating age and experience, to Kidderminster Co-operative Chemists, Ltd., Worcester St., Kidderminster. C 7

UNQUALIFIED young lady assistant required for retail business S.E. London. Experience drug and toilet counters. Slight knowledge photographic and dispensing an advantage. No half-day or Sunday duty. Full particulars and salary required. Hull, 185 Torridon Rd., Catford, S.E.6. C 1232

UNQUALIFIED male dispensing assistant re No half-day, Sunday or rota duties. Full p lars to S. G. R. Coles, Irthlingborough, Nor Tel.: 48.

UNQUALIFIED ASSISTANT (male), experien dispensing. North and South-West London. manency. Apply Box C 5072.

WANTED. Chemist/optician for a pharma South Wales. Good salary and facilities for tising optics. Excellent living accommodati the premises on a 50-50 basis. Congenial pla near country. Box C 1248.

WANTED. Experienced qualified or unqu assistant (lady or gentleman), mainly for d ing. Accommodation available. Apply Hor and Son, Chemists, 29 Sidbury, Worcester.

WANTED. Good all-round unqualified ass general duties, country pharmacy. Hours Box C 1181.

WE HAVE SEVERAL interesting and we vacancies for unqualified staff in the London of Ilford, Greenford, Hounslow and Epping. cation in first instance to Superintendent Cl London Co-operative Chemists, Ltd., Grange Leyton, E.10.

YORKSHIRE. Manager required for busy N pharmacy. Newly equipped flat available. £12 per week plus generous annual bonus. required: lady pharmacist for relief duties manent. These vacancies would be ideal for and efficient pharmacist with wife also qu Apply Box C 1240.

RETAIL (OVERSEAS)

PHARMACIST urgently required by large ind organisation for service in the Middle East. hospitals and staff of British M.Os. and Considerable dispensing for hospital and out-p clinics. Applicants must hold M.P.S. an under 35 years of age. Attractive salary plu trous allowance in local currency, free passag and home, free medical attention, kit allo good leave arrangements, pension scheme. giving personal particulars and full details of fications and experience, quoting Dept. F. Box 2361, at 191 Gresham House, E.C.2.

QUALIFIED PHARMACIST, single man, re for tours of four years each, by company Head Office in Nairobi and branches throu East Africa. Salary scale £630 x £30 an to £720 x £50 annually to £920 plus cost of allowance, at present £120 per annum. weeks' annual local leave and three clear m home leave on full basic salary at end of tour. Passage paid both ways. Contract rene by mutual agreement at end of each tour. Box C 5107.

WHOLESALE

A VACANCY EXISTS for a chemist with and/or A.R.I.C. qualifications in either the or experimental laboratory of a West London of manufacturing chemists. The position permanent one. Future promotion and salar creases will depend on ability, but in the fir stance will be at least £500 per annum. Fiv week. Pension scheme. Write, giving fullest of age, experience and salary required, to C 5148.

ADHESIVE PLASTER chemist wanted. Fully versant with all phases of manufacture of su adhesive plaster. Capable of assuming full c factory within Home Counties. Box C 5131.

ADVERTISING MANAGER required by mar turers/exporters, small but of international r in their special field. Professional backgroun experience in advertising ethical pharmace dental, or veterinary products essential. A tive salary offered to right man. Box C 1

Situations Open—Continued

IENCED REPRESENTATIVES required for the ing territories:— (1) S.E. London, Kent, ; (2) S.W. London, Surrey, Hampshire; est Country; (4) East Anglia. Applications only from salesmen with indisputable con- s, sales record and high earning capacity. out 40. Car owners. The appointments are ent and provide exceptional opportunities nsiderable expansion. Salary. Expenses com- or sole agency basis. Fullest particulars al. Address to Sales Director, Box C 1235.

T. ETHICAL proprietary firm developing East market have vacancy for export travel- presentative with knowledge trade, French al market. Successful applicant would prob- end six months annually abroad. Apply in nce, stating salary required, to Box C 5068.

WING TWO TERRITORIES with substantial r will become vacant in January:— (1) d; (2) Lancashire and Cheshire. Well-known sive manufacturers, marketing impressive f pharmaceutical products invite applications horoughly experienced salesmen with high capacity. Must have indisputable connec- nd sales record and represented house of pute. Age around 40 and car owners pre- Permanent and progressive appointment. expenses and commission. Sole Agency nsidered. Fullest particulars necessary prior view. Box C 1236.

GLAXO LABORATORIES, LTD.

e a Medical Representative for service in an. The Company's headquarters are in hi and the successful applicant will be sible for, and will travel over, a wide in a supervisory capacity. Applications vited from suitably qualified pharmacists hould be single men not over 30. Write full particulars of education, qualifica- and experience, to Personal Department, Laboratories, Ltd., Greenford, Middle- C 5149

VIRE representatives required calling on and hospitals, etc. 15 and 20 per cent. on. Repeating and growing line. Part or . Write Box C 1228.

BAKER, LTD., Dagenham, Essex, require acist for a vacancy in the pharmaceutical laboratory. The post offers opportunities an or woman of ability and originality to his or her own ideas. Candidates must pharmaceutical qualification with some re- xperience. Chemical experience will be Age about 25-30 years. Salary according ifications and experience. Apply initially ng to the Personnel Officer, giving full quaifications and experience and quoting No. 3734. C 5099

BAKER, LTD., Dagenham, Essex, have in their pharmaceutical preparations and g divisicn for newly qualified pharmacists. agement is on the manufacture and pack- ethical products, with opportunity for nt in production and control methods cording to age, qualifications and experi- h prospects of advancement. There is a nsion fund (contributory). Applicants rite, giving full details (confidential) and reference No. 3661 to the Personnel C 5069

RAPHIC GOODS WHOLESALERS require ative. Trade knowledge essential. Write rown, Newman Yard, W.1. C 1139

PHARMACIST (male) required for training in medical information department. The duties are of a non-commercial nature and require a knowledge of therapeutics and medical subjects generally. Hospital experience an advantage but not essential. Apply initially, in writing, giving brief resumé of career, to Box "Medical," C 5070.

PRODUCTION CHEMIST required for West London manufacturing house. Previous experience in medium scale galenical work and assaying desirable. Please give full details and salary required. Box C 18.

REPRESENTATIVE of very well-known London manufacturing chemists required in Eastern Counties. Applications are invited from men with first rate retail pharmacy experience. Successful candidate will be required to maintain contact with the company's trade customers, mainly retail and wholesale chemists, and also carry out a certain amount of professional propaganda. An essential qualification is residence on the territory, preferably in Cambridgeshire or Suffolk. Car provided. Previous experience of representative work not essential. Full particulars in first letter, please. Box C 5105.

REPRESENTATIVE for territory including S. W. London, Kent, Surrey, Sussex, Hampshire, experience in chemist lines, car owner, required by well known London house. Excellent prospects assured for progressive and conscientious man. Good salary, expenses and commission. Give full details including age. Applications in strict confidence to the Managing Director. Box C 5147.

REPRESENTATIVES working on a commission basis with established connection retail chemists and pharmacy departments required by English manufacturers of high quality vacuum flasks already nationally distributed. Existing customers would be handed over and these are remunerative appointments with great scope for rapid expansion. All territories South of North Riding of Yorkshire in East, and South of Cheshire in West, including London, are vacant. Full particulars of ground covered, journey time, number of accounts, etc., to Box C 5143.

REPRESENTATIVES, all districts, required to carry as additional lines, advertised products which have been on the market over 30 years. Must have established connections with wholesale and retail chemists. Write, S. C. Stannard, Ltd., 6 St. Dunstan's Lane, London, E.C.3. C 1222

REPRESENTATIVES with experience, drive and initiative, required for independent organisation selling nationally advertised products through the grocery, chemist, hardware and allied trades. Starting salary £520, rising to £750 with opportunity for further promotion. Car allowance and all usual expenses paid. This is a "ground floor" chance for the right man to share in the success of a young and really progressive company whose name is already a household word. Reply, stating age, experience and qualifications, to Box V.3023, Bensons, Kingsway Hall, London, W.C.2. C 17

REPRESENTATIVES REQUIRED throughout U.K. to carry as side-line high-class toilet preparation, low-priced, great woman appeal. Generous commission basis. Particulars on application by letter or personal call. Sadko, 19 South Molton St., London, W.1. C 5128

REPRESENTATIVES REQUIRED to sell cough mixtures, hand creams, perfumes, etc. Commission terms. Amblins, Ltd., Kilburn, N.W.6. C 1243

REQUIRED, TRAVELLER calling on hairdressers, chemists, mfg. chemists, soap and cosmetic manufacturers, to carry varied selection of perfume compositions and aromatic specialities. Liberal commission. Apply Box C 1246.

Situations Open—Continued

SALES MANAGER required by well-known pharmaceutical manufacturers in London. Must have first-class experience of pharmaceutical trade with first-class merchandising experience and organising ability. Capable of controlling and supervising outside representatives. Age preferably between 35-40. Salary £1,250 or according to qualifications and experience. Apply Personnel Manager, Box C 5095.

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SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word. Box 1/-

RETAIL (HOME)

LONDON OR NEAR. Ex-proprietor (44) open for engagement. Pleasantly situated living accommodation essential. Replies, 56 Sudley Rd., Aigburth, Liverpool. C 1250

UNQUALIFIED, 20 years' experience retail, sale, administrative and staff control; au on purchase tax, seeks progressive position ably West Riding. Would invest capital if sary. Box C 1176.

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QUALIFIED LOCUM, single, managerial onl perienced, highest references. Trained at S College. Free now until Christmas. (Fee a penses). Box C 1229.

QUALIFIED PHARMACIST, expert dispenser, recommended, has vacancies December 5 o Thanet or S.E. London. Reasonable terms. McLeod, 25 Cliftonville Ave., Margate. Tel gate 2805.

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ASSISTANT SECRETARY-REGISTRAR (39), similar position in London, over 20 years pany, commercial, legal, secretarial expe Excellent references. Salary by arrangeme

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OSS ½-oz. jars with metal caps, 50 gross litto. 60 gross 6-oz. flat medicals with caps. s on request. Low price to clear. Fair-Kirby, Ltd., Ropery St., Grimsby. C 1221

ND 524 unishell frames highest quality, flesh, A.L. and brown. One price 85/-z., C.O.D. Post free. PD. 60, 62, 64 and he Spectacle Frame Co., 12 Woodstock Rd., C 1247

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ISPOSAL. 4 tons shell white oil; 18 cwt. petroleum jelly; 440 lb. bentonite; 30 lb. 1,000 gross ½-oz. vials; 2,000 gross corks psules to fit. Any reasonable offer con-Further details from Box C 1215.

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SECONDHAND hydraulic tincture press, one fixed and one moving platform, size in. square; four 2½ in. diameter columns; m; 2 ft. stroke; suitable for working pres-0 lb. 12 tons pressure. Complete with pump. Price £100 nett. Box C 1224.

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TABLET BOTTLES with screw caps, approxi-,500 gross. Beecham (Northern), Ltd., St. Lancs. Telephone St. Helens 2241. C 5129

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PERFUME bottles and jars of all kinds. From 15/- and 18/- per gross. Bath salt jars, 10-oz. fancy shape 37/6 gross. 1 and 2-oz amber jars black caps. 22/6 and 27/6 gr. Amblins Sales Co., Ltd., Kilburn, N.W.6. C 1244

PERFUMES (good quality) for Xmas trade, 4/6 doz., also at 5/3 in display box, 2nd size 9/- doz. each boxed. Bath salts large size 12/-, line to clear at 7/6. Assort. lavender and Cologne "Santa Barbara" brand 2½ oz. French bottle 21/- doz. ½-oz. size, 6/- doz. Santa Barbara honey almond cream 7/6 doz. Glycerine lemon and honey cough linctus, 4-oz. 10/- doz., 6-oz. size 15/- (absolutely unbeatable). Sure to get repeat sales. Toilets 100% p. tax, medicines ⅓rd. Cash with order. On acc. to chemists. Amblins Sales Co., Ltd., 338 Kilburn High Rd., N.W.6. C 1245

SACCHARIN TABLETS. Standard 0.2 gr., 550 in envelopes of 100 tablets in 1 gross boxes. 1 to 5 gross, 56/-; 6 to 10 gross, 55/-. Special price for larger lots. C.O.D. or C.W.O. H. N. Wells, 184 Roding Lane South, Ilford, Essex. C 1063

STANDARD SACCHARIN TABLETS. 0.2 gr. 550, in envelopes of 100 tablets, boxed in 1 gross lots, 1 to 5 gross at 58/- p. gross. Quotations for larger quantities by return. Tell Products, Ltd., 22-24 Rosemont Rd., N.W.3. C 6

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STOCK and PLANT of a PERFUMERY MAKER
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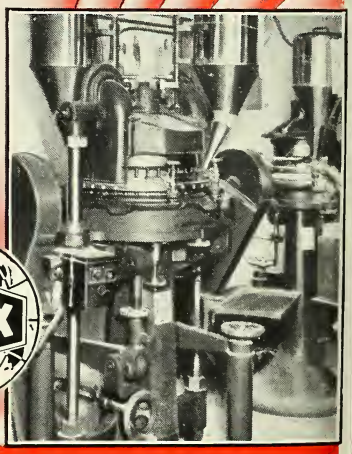

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